

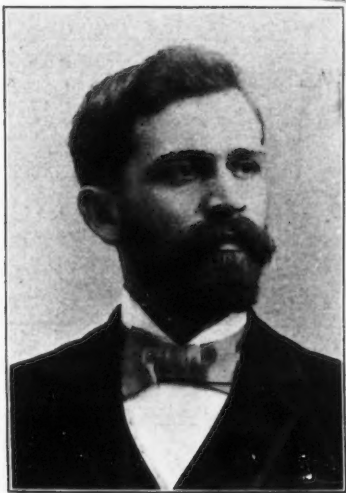
Vol. X.

No. 6.

# THE AMERICAN School Board Journal



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U.S. BUREAU OF EDUCATION.



H. C. CUTTING,  
State Superintendent of Public Instruction,  
Nevada.

June, 1895.

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sighted and absent-minded professor, walking book in hand in the  
fields saw something before him which he supposed to be a lady, and bowed most politely,  
lifting his hat, and calling, "Good morning, madam!" But as his eyes rose from pro-  
found obeisance he found it was a cow he had encountered and walked on indignant at  
his hasty judgment. Soon after he saw underneath the edge of his book the gown worn  
by the wife of a neighbor but thought it was again the sow, and in his eagerness to re-  
cover from his last mistake, he waved BOTH "Get out, you brute!" He was mis-  
taken both times. School boards have been deluded now and then into trusting irresponsible Teachers' Agencies, or have been del-  
uded by applications from one of the Information Agencies. So they fly into a passion and  
cry, "No more Agency work for us!" But they are as mistaken as the professor was.  
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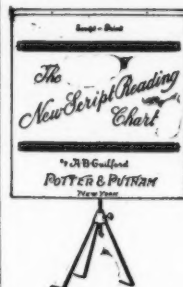
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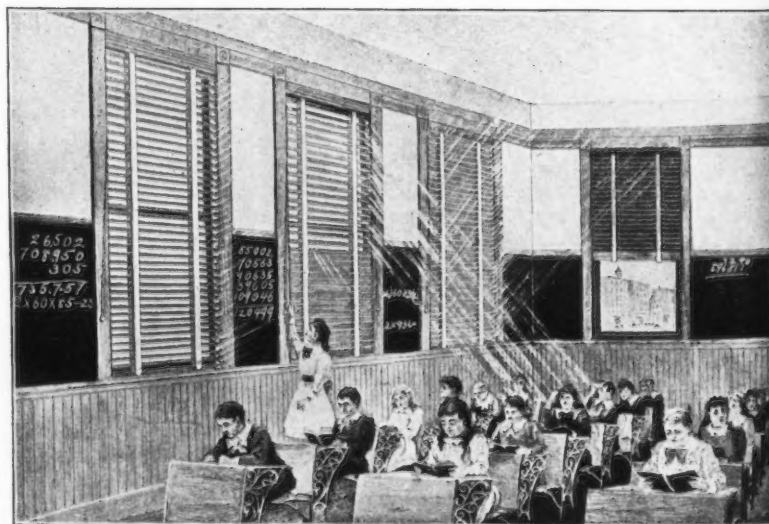
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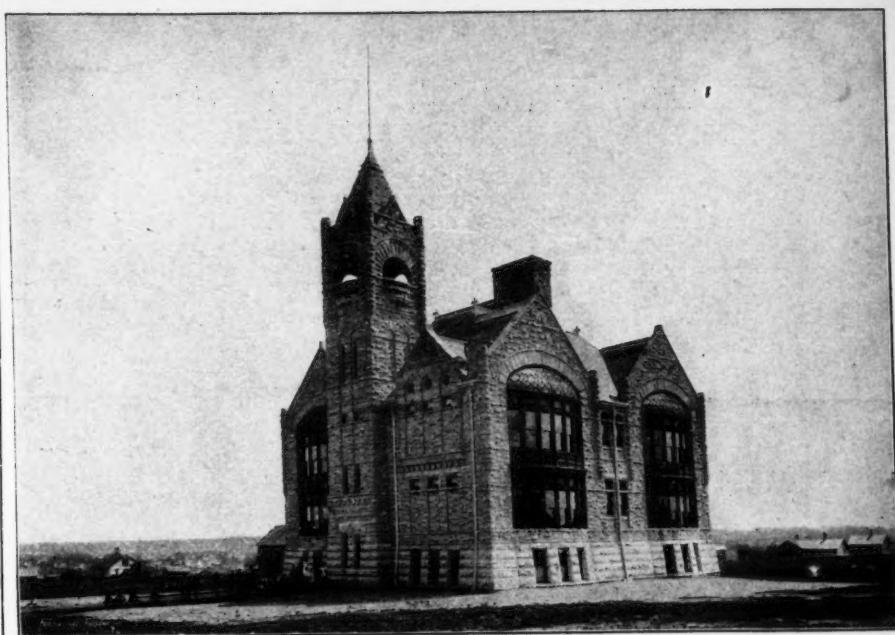
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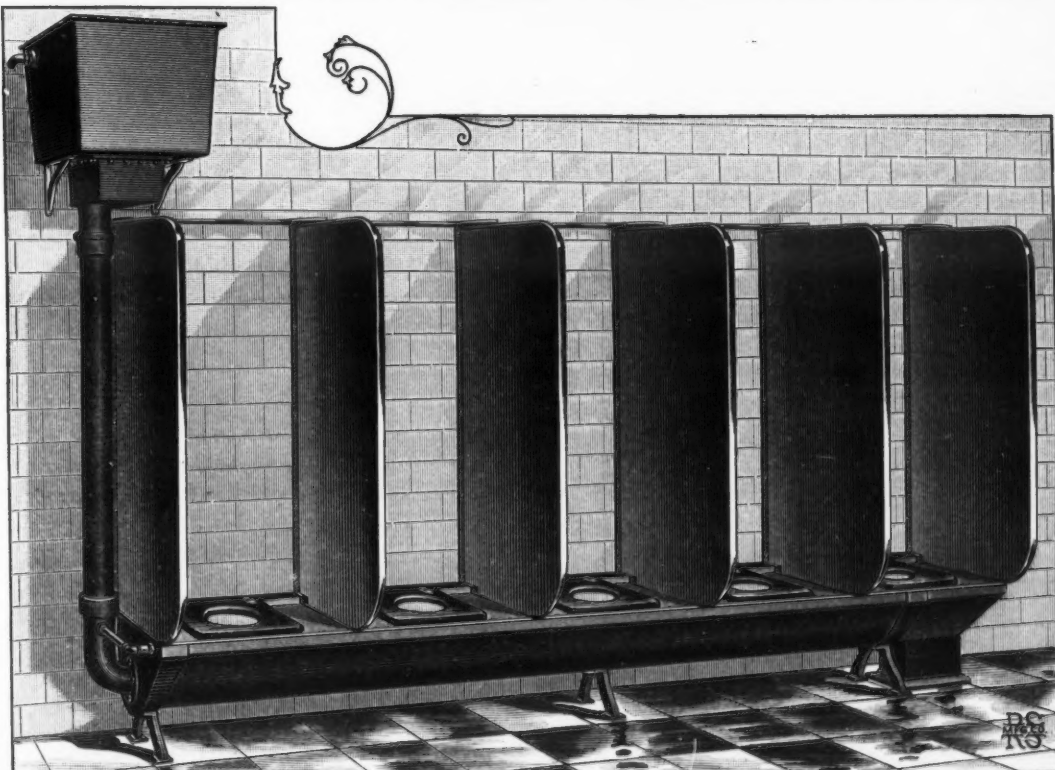
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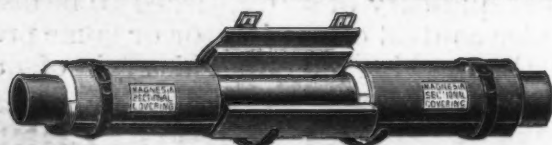
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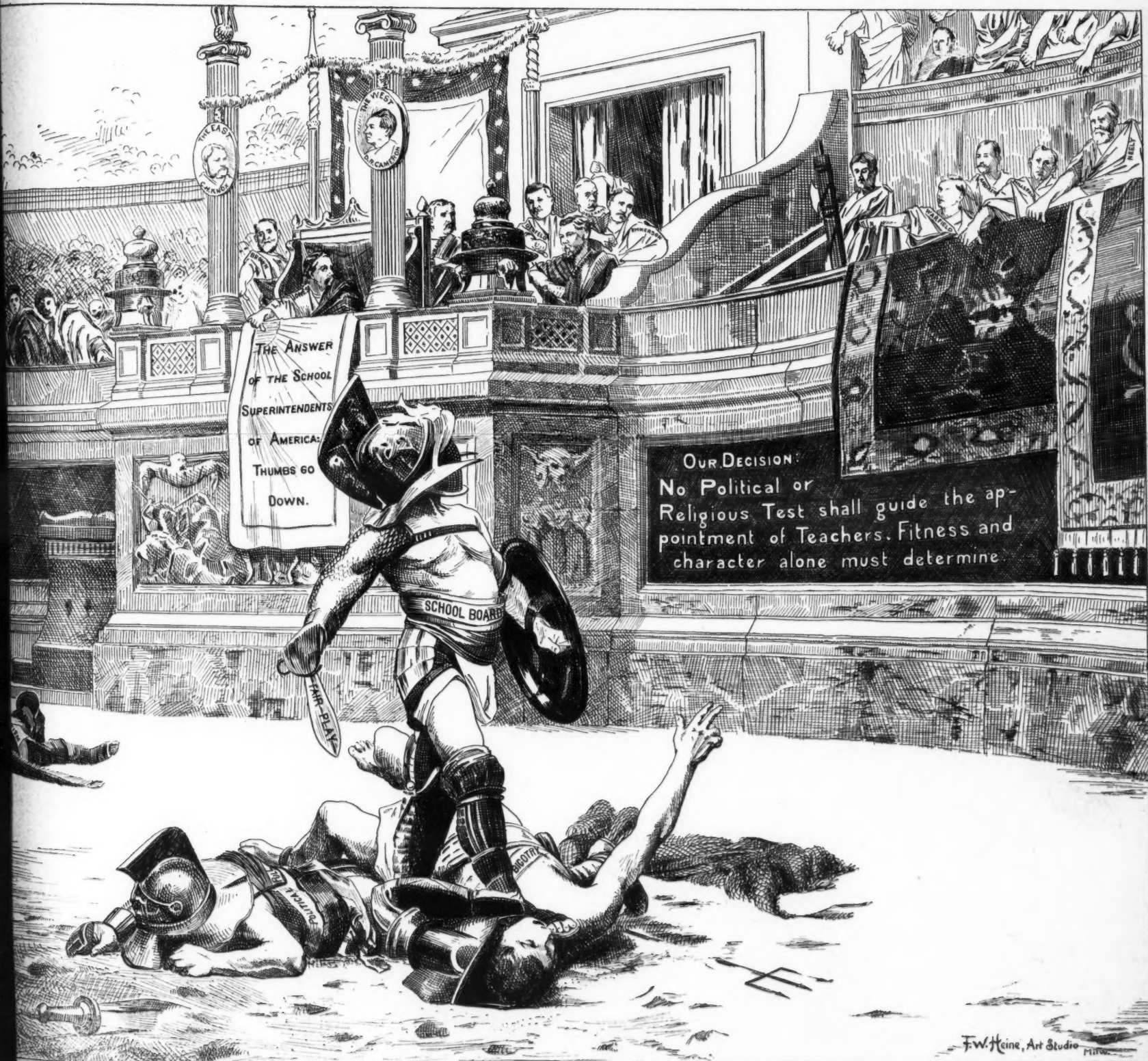
# THE AMERICAN School Board Journal

VOL. X.

NEW YORK—CHICAGO—MILWAUKEE, JUNE, 1895.

No. 6.

GEROME'S "POLLICE VERSO" MODERNIZED.

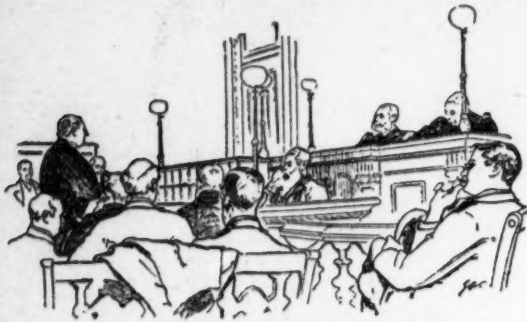


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When the school board, that is true to its mission, appeals to the Superintendents of the United States for a decision whether it shall destroy an enemy of the public schools, the thumbs go downward. Then let the dagger go downward also. Let every school board in the land subserve only the highest educational interests. Let no religious bigotry, political pull or nepotism, guide the appointment of teachers. Let the test be upon fitness and character alone.





#### LAW FOR SCHOOL BOARDS.

The Macon County, Ill., Circuit Court has a case under consideration wherein the school board seeks to recover 70 cents from a scholar who broke a shelf in a school house. The costs already amount to over \$200.

Attorney-General Dawes, of Kansas, has rendered an opinion in which he says the state board of education has no right to do the printing for the county institutes at the expense of the state. This means that the teachers must pay for the printing of the course of study which has heretofore been paid for by the state.

#### Resignation of School Officers.

The resignation of a director of a school district, made to and accepted by the voters of the district, is of no effect, but it must be made to a member of the board, who, under Hill's Code, 2604, may call an election to fill the vacancy.—Vaughn v. School Dist. No. 31 of Tillamook County, Ore.

#### Changing of School Records.

As the clerk of a school district has a right to amend the minutes of a district meeting so as to make them conform to the proceedings, a demurrer to the part of the answer of a school district, in an action to enjoin the collection of a school tax, which asks the court to allow the clerk to correct the minutes of the meeting at which the tax was voted, was properly sustained.—Vaughn v. School Dist. No. 31 of Tillamook county, Ore.

#### Contract to Lowest Bidders.

Injunction will not lie to restrain a school board from awarding a contract to one who was not the lowest bidder, where the board reserved the right to reject any and all bids, and there is no evidence of fraud on the part of the board, and no statute requiring contracts to be awarded to the lowest bidder. Chandler v. Board of Education of City of Detroit, Mich.

#### Employment of Teachers.

Where a person without authority rendered services to a district in teaching its school, and in properly keeping and seasonably returning the school register, and in consequence the district became entitled to and its treasurer received a share in the public moneys, the district is liable for such services on a quantum meruit.—Scott v. School Dist. No. 9 in Williamstown, Vt.

Where the record of the proceedings of a board of education does not show that on motion to employ a teacher the roll of the members was called, and the names of those voting "Aye" and "No" recorded, as provided by law, the election of the teacher was invalid. Board of Education of New Concord School Dist. v. Best, Ohio.

#### NEW RULES AND REGULATIONS.

Philadelphia, Pa. The fifth sectional school board has adopted a resolution requesting the trolley company, whose lines run through its section to reduce the speed of their cars during the hours when children are going to or returning from school.

Boston, Mass. Order passed instructing teachers not to permit any person or persons to examine the eyes of the pupils in the public school buildings except by order of the school committee.

Brooklyn. Teachers' pension plan is to retain one per cent. of each teacher's salary, thereby establishing a fund from which superannuated

teachers may receive half pay on being retired.

Columbus, Ia. Board has added one year to the school course, which will fit graduates for entry into college.

Newburyport, Mass. Rule adopted providing that every child between the ages of five and seven years entering school, must do so at the beginning of the term, in September or April.

Baltimore Md. Board of education adopted a resolution requiring that hereafter all requisitions for supplies be forwarded to the board, together with an estimate of the cost, and that before the bill is paid a certificate be filed showing that the work has been done.

Columbus, O. A resolution was adopted recommending the adoption of an amendment to the rules of the board prohibiting any employee of the board of education from taking active part in politics and making the penalty reprimand or suspension, or both.

Wilmington, Del. Board abolished the rule authorizing the principal to send a child home for being late.

Cleveland, O. The rule of the board requires that all teachers, including those engaged in special work, such as drawing, music, etc., shall have certificates showing that they are competent to teach, and have passed an examination in physiology, hygiene, and the effects of alcohol and narcotics on the human system. Superintendent Jones opposes a rigid enforcement of this rule.

Denver, Col. State board of education ruled that it would be necessary for each applicant in the future to file with the board a certificate of education and culture signed by the examiners; also an affidavit showing that the applicant is of an unexceptional moral character, and another affidavit showing that the party rendered eminent service in the schools of the state for no less than two years previous.

Elgin, Ill. A motion to amend rules so as to empower the chairman to make up the committee was lost.

Miss Schaffer has commenced suit against school directors of Kane county, Ill., who had her arrested some time ago. She wants \$10,000. She has beaten her opponents all along the line, having been supported by the people and reinstated in her school; but she wants damages to salve her wounds.

#### SCHOOL LEGISLATION.

Minnesota passed a bill to so amend the state constitution as to allow school fund to be invested in bonds of any city, county or village in the state. Heretofore all such investments had to be made in other states.

Illinois passed a bill allowing school districts managed by boards of education to establish and maintain kindergarten schools.

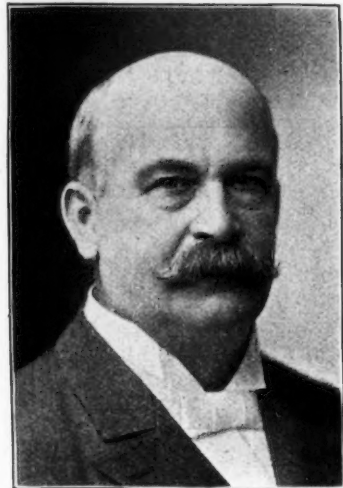
Wisconsin. Bill to provide manual training schools in connection with the public schools passed.

Nebraska. Bill providing for the registration of school warrants, so they can draw interest, passed.

Pennsylvania. The bill pending in the legislature, granting life certificates to graduates of high schools, academies and seminaries was framed to remove the present discrimination made against them as compared with the graduates of State Normal Schools.

Wisconsin. Legislature passed a bill to remodel the Milwaukee school board, under which the school board will consist of one commissioner from each of the eighteen wards, appointed by the aldermen, and nine commissioners-at-large appointed by the mayor. This makes a board of twenty-seven members, instead of thirty-six, as at present. The term of the secretary of the board is extended to five years, and his salary increased from \$2,000 to \$2,500. But the Governor failed to sign it.

Michigan has passed a law requiring the authorities of school districts to float the stars and stripes from the school house during every school day.



COL. FRANCIS W. PARKER,  
President Cook Co., Ill., Normal School.

The School Board Convention movement, which found its inception in the West, and which is now so carefully fostered in several states, has a staunch supporter in Col. Francis W. Parker, the illustrious champion of educational progress. Every convention of importance was graced by his presence and his vigorous personality lent spirit and enthusiasm into the deliberations. "No movement in educational lines," said he at the Illinois Convention, "do I regard as being of greater importance than the bringing together of school board members for the discussion of school affairs."

Florida passed a bill to prevent white and black children from being taught in the same school.

Ohio. Under the provisions of a law passed by the Legislature, the expense of the high school tuition of pupils attending high schools from towns in the State which maintain no such schools and have a valuation of less than \$500,000, is put upon the State, whereas it has formerly been borne by the towns in which the pupils lived. There are seventy-seven such towns in the State, and it is calculated that the change will cost the State about \$18,000 a year.

Minnesota. Law enacted which allows school boards to select one of their own number to become school treasurer.

Pennsylvania. Bill extending text book adoptions to five years was lost.



#### History Says So.

Teacher—Why did Adam and Eve leave the Garden of Eden?

Dick Hicks—Because they saw a snake.



## AMONG BOARDS OF EDUCATION.

Des Moines, Ia. The proceedings of the Iowa School Board Convention held last December have been published in pamphlet form by the state.

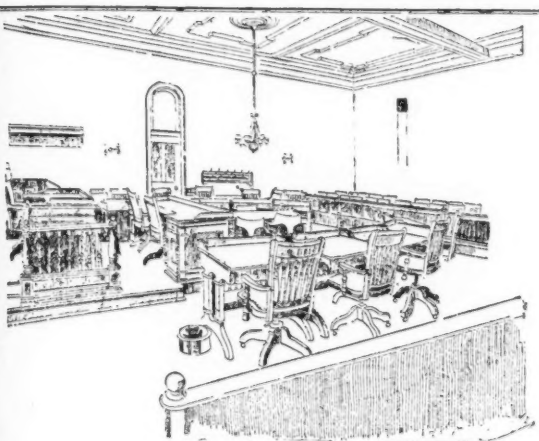
Houghton, Mich. After dismissing Principal Keeler the entire board was asked, by indignant citizens, to resign.

St. Charles, Ill., had fun over their late school election. J. B. T. Wheeler was a candidate for Trustee. Some of the ladies put their heads together and unbeknown to the lady put up Mr. Wheeler's wife against him for the same office and would have elected her over him if the lady had but received two more votes.

Philadelphia. The labor unions want school board members elected instead of appointed.

The New York Catholic School Board has submitted to the Board of Education a report showing that New York City's 101 Catholic schools are now providing for upwards of 30,000 pupils, 15,429 boys and 17,269 girls, which they claim amounts to an annual saving to the city taxpayers of more than a half million dollars.

Portsmouth's, O., school board is deadlocked on the election of a clerk. The second meeting for that purpose was held and in all forty-two ballots were taken without success. The vote stands seven to seven. The office is worth only \$100 per year and the condition is decidedly humorous as there seems to be no prospects of a solution of the problem.



Board of Education Session Rooms, Salt Lake City, Utah.

Port Townsend, Ore. The public schools having been discontinued owing to the hard times, each teacher is to open a private school, receiving only his or her former pupils. The school board will donate the use of the buildings, and enough parents are subscribing to make the adventure a success.

Chicago. The board, upon the retirement of President A. S. Trude, adopted a resolution in which the following is embodied: The measure of a man's worth to any cause too frequently rests with posterity. Events multiply and crowd upon each other in such rapid succession that men are almost inevitably judged by the effect of their deeds rather than by their intent. We deem it eminently fitting at this time to evidence our appreciation of the services magnanimously rendered our educational system by him. We have found him patient in the performance of the duties devolving upon him, resourceful in devising means for the accomplishment of laudable aims, ever ready to efficiently render public service. He has presided with uniform courtesy, becoming an honorable official, and during his incumbency our schools have continued their rapid strides towards that degree of excellence to which our worthy instructors aspire, thereby keeping pace with the wonderful growth of our city, so that we can always rely on their being the guide lines of advanced civilization, the certain sources of patriotic inspiration.

Nebraska. State Superintendent Corbett has decided that school boards are continuous bodies and that new boards are bound by the action of the old.



## SPECIAL STUDIES.

The board of education of Bridgton, N. J., voted to introduce vocal music in the schools.

The board of education of Portland, Me., voted in favor of maintaining a cooking school. This was done to provide something for the girls during the time devoted to manual training for the boys.

At Fall River, Mass., a special exhibition of work in physical culture, drawing and music will soon be held.

The Pittsburg board fixed the salary of the manual training instructor at \$1,500.

The Lewiston, Me., board voted to introduce sewing classes.

Lewiston, Me. The school board is to introduce sewing into the sub-primary schools. One of the teachers in that grade was excused to familiarize herself with that art.

Philadelphia. Supt. Brooks recommends the introduction of music.

Aurora, Ill. The Northern Illinois High School Association voted in favor of vivisection.

A bill for kindergarten schools was passed by the Illinois legislature.

Holyoke, Mass. Special studies are being considered.

Milbury, Mass. Principal of Providence Street Grammar School has inaugurated weekly gardening lessons. The school yard is the basis of operations.

Utica, N. Y. A resolution to introduce gymnastics in the public schools, in addition to physical culture, already in the curriculum, was favorably discussed but finally referred to a committee.

The Prang Educational Co. will open a summer school at Chicago, which will be under the direction of Mrs. Mary Dana Hicks, of Boston. A strong faculty of instructors has been engaged.

Newton, Kan. Committee to whom was referred proposition for special elocutionary training for the senior class who are to take part in commencement exercises, reported against it.

Chattanooga, Tenn. Recommendation of Superintendent for introduction of manual training and military drill as a permanent feature of school work required of all pupils was adopted unanimously.

Passaic, N. J. Board of education has made the teaching of cooking a regular part of the curriculum for the upper grades in the girls' schools.

San Francisco. A resolution by Director McElroy that the supervisors be asked for an additional \$10,000 to establish classes in physical culture in the schools was referred to the Finance Committee.

We would call attention to the following extract from the Boston report: "The Kindergarten is the alphabet of our whole manual training system, educating the head, the heart and the hand. It quickens the perceptive powers of the little ones, teaching them to observe, to think, and to act."

McKeesport, Pa. Physical culture is likely to be introduced.

Dr. Brooks, Superintendent of Public Schools in this city, in his report on the introduction of vocal music, submitted at the recent meeting of the Board of Education, declared in favor of the movable scale system of sight singing as being simple and logical. Nor was this merely an individual judgment. The school authorities of Boston, Chicago, Cincinnati, St. Louis, St. Paul, Albany, Washington and other cities, responding to the Superintendent's request for information, have declared, without exception, in favor of the system named.

Philadelphia, Pa. Salary teacher of stenography fixed at \$1,050.

Lincoln, Neb. Study of French has been discontinued.

## BOARDS AND SCHOOL SESSIONS.

Columbus, O. Question whether schools should be closed that the children might attend Sells circus was lost.

Concord, N. H. It was voted that the afternoon session of the schools commence at 1:45 o'clock and close at 4:30 o'clock.

Bangor, Me. Schools will now close school sessions at 4 p. m. throughout the year hereafter.

Columbus, O. Board refused to close school on account of circus day.

Wilmington, O. School year will be nine months hereafter instead of ten.

Findlay, O. Board dismissed school on Sells Bros. circus day.

St. Paul. Board has ordered two recesses per day.

Newark, O. Schools were closed on the occasion Barnum & Bailey's circus.



MRS. JESSIE M. WHITEHEAD,  
East Liverpool, O.



CATHARINE H. T. AVERY,  
Cleveland, O.



LOUISE REED STOWELL,  
Washington, D. C.



BETTIE WILSON,  
Hartwell, O.



MRS. CELESTINE HOPKINS,  
Marysville, O.



MISS IDA BOWERS,  
Ironton, O.

## WOMEN ON SCHOOL BOARDS.



## TEXT BOOK ADOPTIONS.

Lancaster, Pa. Pollard Second Reader, Prince's Grade Arithmetic, 4 and 6 (for teachers) Blaisdell's Physiology Part I., Kellogg's Physiology (for high school.)

Topeka, Kan. McGuffey's Reader will be continued.

Defiance, O. Washington Township. McGuffey's Readers, Ray's Arithmetics, Steele's Physiology, Barnes' History, Harvey's Grammar, Spencerian Copy Books, Long's Home Geography, Milne's Algebra, McGuffey's High School Reader, Peterman's Civil Government, Watkin's American Literature, Eggleston's United States History.

Michigan. State Teacher's Reading Circle: White's School Management, Wood's How to Study Plants.

Albany, N. Y. Gilbert's Elementary Algebra, White's Manual.

Baltimore. Wentworth's and Brooks's Geometries were substituted for the Davies Geometries and Trigonometries in the grammar schools, and Gifford's Elementary Lessons in Physics, put on list of text-books.

Maquoketa, Ia. Extracts from Eutropius and Gradatim, for the use of pupils in high school.

Allegheny, Pa. Adopted books now in use and added Scudder's Primary History of the United States, and Frey's Primary Geography.

Clifton Springs, N. Y. Charles Wells System of Penmanship.

Lawrence, Kan. Tonic Solfa System for use of teachers. Wentworth's and Hill's Exercises; Frye's Geography; Montgomery's English History; Cahart and Chute's Physics; Macy's "Our Government;" Brand's German Reader; Van Diel's French Instruction.

Reedsburg, Wis. Following text-books to be used at Summer Institute: Avery's Physics; Maxwell's Advanced Grammar; Eclectic Physical Geography; Townsend's Civil Government, Wisconsin Edition; Sheldon's Arithmetic; Macnie's Elements of Geometry; Sheldon's Algebra; Barnes' Brief History of the United States; White's Pedagogy; Harper's Geography; Kellogg's Second Book in Physiology.

Tower City, N. D. New Normal Readers, Werner Mental Arithmetic.

Wheatland, N. D. New Normal Readers, Buckwalter's Spellers, Raub's Arithmetics, Raub's Grammars, Duglison's Physiologies, Ellis's History.

White's Mills, O. McGuffey's Readers and Spellers, Ray's Arithmetic and Algebra, Part I; Harvey's Grammars; Long's Language Lessons and Home Geography; Barnes' and Eggleston's United States Histories; Steele's Physiologies; Milne's High School Algebra; Peterman's Civil Government; Cornell's Physical Geography; Watkin's American Literature, and Eclectic and Spencerian Copy Books.

Williamsport, N. D. New Normal Readers, Buckwalter's Spellers, Raub's Arithmetics, Raub's Grammars, Duglison's Physiologies, Ellis's History.

Valley City, N. D. New Normal Readers, Werner Mental Arithmetic.

Irish's Orthography and Orthoepey has been recently adopted in the following places: Birkersville, Glenford, Lima College, Bluffton, Burton, Ohio; Dodge Center, Minn.; Nora Springs, Iowa; Mound City, Mo.; Cannon City, Colorado; Leoti, Kansas; Highland, Mich.; Lindsie, W. Va.; Organ Cave, W. Va.

Pittsburg, Pa. The Spencerian System of Penmanship was substituted for the American System of Vertical Penmanship. Guttenberg's Guide to Phipps's Conservatory was withdrawn from the course of instruction.

Hope, N. D. New Normal Readers, Buckwalter's Spellers, Raub's Arithmetics, Raub's Grammars, Duglison's Physiologies, Ellis's History.

St. Louis. Collar and Daniel's First Latin Book, Macy's Our Government, Ginn & Co.; Elements of Political Economy, A. B. Co.; Harris' German Composition, by D. C. Heath & Co., all for Normal and High School. Laid over.

Maiden Rock, Wis. New Normal Readers, Buckwalter's Spellers, Raub's Arithmetics, Raub's Grammars, Duglison's Physiologies.

Cincinnati. Metcalf's Grammar in place of Harvey's English Grammar.

Knoxville, Tenn. Wentworth's Arithmetic, Montgomery's Beginner's History, Montgomery's History of England, Collar and Daniel's First Latin, Ginn & Co.

White Pigeon, Mich. Rand-McNally Geographies.

Philadelphia. The \$10,000 Century Dictionary adoption is still hanging in uncertainty.

Fond du Lac Wis. Sheldon's Primary Lessons was adopted for the Third, Fourth, and Fifth grades and Sheldon's Advanced Lessons, for the Sixth, Seventh and Eighth grades.

Cooperstown, N. D. New Normal Readers, Buckwalter's Spellers, Raub's Arithmetics, Raub's Grammars, Duglison's Physiologies, Ellis's United States History.

## TEXT BOOK NEWS.

It was reported that George P. Boughton of Defiance, O., who was arrested in that place on a charge of bribery, had formerly been the Ohio agent for the Werner Publishing company of Chicago, and that he had made some heavy sales of school books for that firm. The Werner Publishing company deny ever having any connection with this man. "We have only one agent in Ohio," said Mr. Thomas,

manager of the educational department, "and we have never to my knowledge had dealings of any kind with George P. Boughton.

Wm. Beverly Harison has just issued Jackson's Teaching of Handwriting, a complete manual for teaching vertical writing.

Olympia, Wash. The state board of education opened twenty-four bids, representing twenty-three distinct publishing houses, for supplying the people of the state with school text books. So long as the bids are within the limit of 33 1-3 per cent, of the old contract, they meet the requirements of law, but it becomes the duty of the board to decide as to comparative excellence of the work as text book. Crane & Co., Topeka, made a bid on readers lower by 40 1/2 cents per set than the others bids, and James F. Girton, of Aberdeen, Wash., is lower by 7 1/2 cents per set on arithmetics, which represents a considerable saving. Now it becomes the duty of the board within next ten days to decide upon the books upon their merits. It is not without the bounds of possibility that all the bids will be rejected and new ones called for. The bids as a rule were apparently made with a view to barely coming within the limits fixed by law.

Indianapolis. A communication from Bricklayers Union, No. 3, asking the board to boycott the goods of Rand, McNally & Co., and the Werner Printing Company because they did not employ union men, was referred to the committee on supplies.

Chester, Pa. Board resolved "that we disapprove of any measure which proposes to confer upon a State Board power to adopt text books for the entire State, as we believe the local School Boards are competent judges of the proper books to be used in their respective districts."

New York. The Metropolitan School of Isaac Pitman has been removed to 152 Fifth Ave. The firm of Isaac Pitman & Sons, publishers, will remain at 33 Union Square.

Chicago Board purchased 500 Appleton's Second Readers; 300 Appleton's Third Readers; 300 Appleton's Introductory Fourth Readers; 300 Appleton's Fourth Readers; 300 Reed's Language Book; 200 Barnes' Brief History of United States; 200 Harper's School Geography; 300 Maxwell's Grammar; 300 Robinson's Complete Arithmetic; 500 Oral Arithmetic by Grades, No. 1.

Grand Rapids, Mich. Board resolved to leave question of free text books to a vote of the people, election to be held Sept., 1895.

St. Louis. D. C. Heath & Co., publishers, have asked that the contract with the board which this Company has for the supply of Maury's Physical Geography, be transferred to the University Publishing Company.

Detroit, Mich. Formerly when school books became tattered the board of education sold them to the old book man. The old book man used to patch them together and make new books. The board of education learned of this system of economy and is now patching up its own old books. The dismembered school books are sorted out, the leaves being pigeon-holed by themselves and from, say five old books, a complete new book is secured.

Indianapolis. The state board of education heard the committee from the G. A. R. upon the desired changes in the school histories now in use in the state. The committee, consisting of Judge Marsh of Winchester, Capt. W. H. Armstrong of Indianapolis, and Prof. A. H. Graham of Knights town, placed before the board several objections to the present school histories and insisted that sufficient prominence was not given in them to the civil war period.

Vermont. The Vermont Historical readers will soon be ready.

Holland, Mich. The proposition for free text-books was voted down at a recent school election.

Hanover, Ill. The latest edition of the People's Encyclopedia has been added to the high school library.

Albany, N. Y. Purchased 275 copies White's Manual.

Baltimore. The committee on text-books presented a report, making the following recommendations: That no change be made in the use of Appleton's Geographies in the grammar grades of the public schools, but that Appleton's Elementary Geography be taken from the list of primary grade books, and Swinton's Introductory Geography and Frye's Primary Geography be substituted. That the Harvey series of grammars be taken from the grammar grades of the schools, and Sheldon and Hyde's Language Lessons be used instead, with Whitney and Lockwood's English Grammar in the eighth grade of the schools. That Appleton's Arithmetics be taken off the grammar grade list, and Milne's series of arithmetics be used, and a smaller book of the Milne series be used in the primary grades with the books now used. The report was accompanied with a resolution that the changes in text-books be made gradually, as new books are required in the schools. It was accepted and the resolution was adopted. Mr. Denny, who presented the report, said the whole object of the committee had been to get the best books, without regard to who were the publishers.

Salt Lake City. Vertical penmanship will receive a trial.

Tennessee. The text-book bill passed by the legislature will have a tendency to reduce the cost of school books. The bill provides that the text-books shall not be changed more than once in five years. The state board of education receives bids from book concerns and the lowest bidder's books are adopted.

California. The Fourth Reader of the state school book series is now printed and in the hands of the binder, and the Third Reader will soon be finished. Both will be ready for market about July 1. They will take the place of the cumbersome Third Reader which the law at first unfortunately limited the series to.

Denver, Col. The following districts voted in favor of free text-books: District 7, South Denver; 18, Valverde; 19, Melvin, and 21, Villa Park.

East Des Moines, Ia. A. J. Newby, of Maynard, Merrill & Co., appeared before the board for the introduction of Vertical writing into the schools. The company was given the privilege of introducing the system into three rooms under direction of the superintendent, without cost to the district.

New Orleans. The board submitted correspondence of Ginn & Co. and Mr. Newton, their representative, relating to the time of commencing the introduction of music in the public schools. Ginn & Co. asked for an extension of the time originally fixed upon, but as Mr. Newton was already in the city this change would not be necessary.

Tacoma, Wash. Among the last acts of the county school superintendents' convention was the appointment of a committee to make a thorough study of the subject of state publication of text-books, its history in states where tried, and to collect data on the subject, all of which shall be reported to the superintendents, with a recommendation of a plan for the state to pursue on this subject. The object is to evolve a plan which will be presented to the legislature of 1897. The committee consists of Superintendents Hitt, of Whatcom; Elliott, of Lincoln, and J. H. Lease, of Lewis.

Missouri. The legislature has refused to continue the text-book law. All adoptions will, in consequence, expire. T. J. Lingle has resigned from the commission.

Indianapolis. A labor organization has asked that the school board boycott Rand, McNally & Co., and the Werner Co., as they were not employing union help. In response to an inquiry, Rand, McNally state that in the twenty departments of their establishment, every employe belongs to a union. "We pay," said the manager "the union scale and more, as every employe can testify." The Werner Co. has never had any trouble with labor unions an account of wages, and their works have always been open to them. They pay the union scale in all departments. The false statements said to have been circulated are contradicted by a resolution adopted by the Akron Local Union No. 5 of Int. Brotherhood of Book-binders, copy of which has been furnished.

Newport, R. I. The committee on text-books, through Mr. Cozzens, gave notice of a proposed change in the Primary Geography and French and German grammars in use in the High School.

Montana. State Supt. Steere has asked the views of a large number of educators on the text-book question. Practically all of them were of the opinion that it is highly important to secure uniformity in text-books and that it was desirable for the state board of education to make recommendations of books to the several districts. This seemed the only feasible plan, and the board acted upon it. A committee was appointed to report recommendations at the June meeting. On the 1st of July when the new school year goes into effect the districts will be at liberty to adopt such text-books as they can use. Already many publishing houses have their agents in the state and unless the school boards generally adopt the recommendations of the state board the books of the various districts will doubtless vary widely.

New York. The law providing for compulsory education of children regarding the effects of alcohol and narcotics on the human system passed both houses. Some opposition was manifested.

Readers and geographies, Harper's; Lessons in English and grammar, Maxwell's; Histories, Eggleston's First Book in American History, and History of the United States and its People; Spellers, Reed's Word Lessons; Writing, Merrill's Vertical System of Copy Books; Physics, Steele's (revised); Botany, Gray's; Physiologies, Blaisdell's; Zoology, Steele's Popular; Civil Government, Peterman's.



Jacksonville, Ill. County Superintendent H. A. White is anxious to secure County uniformity of text books, and to that end urges the following books:

Boston. The order asking for the addition of the Century Dictionary as a reference book in the high and grammar schools was defeated on the ground that it would cost several thousands to introduce the dictionary as desired, and that the board could not afford to spend so much for that purpose.

Ann Arbor, Mich. Louis C. Jocelyn has been selected by Sheldon & Co., publishers, to revise Olney's Algebra, which is so widely used as a school text-book.

Montana. The State board adopted the following:

WHEREAS, The law of 1889 establishing a series of text book expires July 1, 1895, by reason of the adoption of the codes, and Whereas, The contract entered into under and pursuant to the said law terminates by virtue of the terms and provisions thereof; and Whereas, the last Legislative Assembly failed and neglected to adopt a series of text books for our common schools; and Whereas this board is in receipt of communications from many of the executive officers and educators of the state praying that we recommend a series of text books in order that uniformity may be preserved; therefore be it *Resolved*, that this board recommend a series of text books for the common schools of this state and that a committee of five members be appointed by the president to select the same and report to this board at its June meeting.

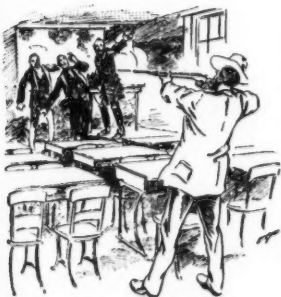
President Botkin appointed on this committee the following: Dr. James Reid, Supt. E. A. Steere, Prof. R. G. Young, Prof. J. M. Hamilton and T. E. Collins.

Brooklyn. The Board received the following propositions: From Andrew J. Graham, proposing to furnish Graham's Revised hand-book of Standard Phonography at 90 cents per copy; Puritan Publishing Co., proposing to furnish the Dictionary of United States History at \$3 per copy; Romeyn B. Hough, requesting that the first six volumes of his "American Woods," together with Set II. of the slides for the stereopticon, be added to the text-book list; Grace A. Lewis, submitting for adoption Lewis' Leaf Charts; Leach, Shewell & Sanborn, proposing to furnish the following: Burke's Speech on Conciliation, per doz. \$3.50; Macaulay's Life of Samuel Johnson, per doz. \$2.50; Scott's Lady of the Lake, per doz. \$3.50; Southworth's Essentials of Arithmetic, Part II., per copy 52 cents; Thompson, Brown & Co., proposing to furnish Bradbury's Sight Arithmetic at 24 cents per copy; Macmillan & Co., proposing to furnish Carpenter's Rhetoric, advanced course, at 80 cents; Carpenter's Rhetoric, High School course, at 60 cents, and West's Grammar for Beginners, at 28 cents; Werner Co., proposing to furnish New Normal First Reader, at 16 cents; New Normal Second Reader, at 28 cents; New Normal Third Reader, at 36 cents; New Normal Fourth Reader, at 48 cents; New Normal Fifth Reader, at 64 cents; Columbia Primary Reader (revised edition), at 16 cents; Columbia Second Reader, at 24 cents; Columbia Third Reader, at 32 cents; Columbia Fourth Reader, at 40 cents; Columbia Fifth Reader, at 48 cents. Referred.

A new Speller will be issued by Christopher Sower Co. shortly.

#### FATAL TEXT BOOK DISCUSSION.

Como, Col. At the Tarryal district school house near here, Benjamin Ratcliffe shot and killed Samuel E. Taylor, L. F. McCurdy and George D. Wyatt, constituting the school board, at the annual school election. Wyatt, who survived four hours, said Ratcliffe opened a discussion over the text-books for the district. Then he accused the board of slighting him and his family. Ratcliffe fired his Winchester, the ball entering the floor at Taylor's foot, doing no damage. He next took aim at Taylor and fired, Taylor dying instantly. Ratcliffe then shot McCurdy, striking him in the back. The dead men are among the most highly respected citizens of Park county. Ratcliffe is sixty-five years of age and an invalid. He is in jail.



Shooting the Board.

his Winchester, the ball entering the floor at Taylor's foot, doing no damage. He next took aim at Taylor and fired, Taylor dying instantly. Ratcliffe then shot McCurdy, striking him in the back. The dead men are among the most highly respected citizens of Park county. Ratcliffe is sixty-five years of age and an invalid. He is in jail.

#### BOOK CONTEST IN VERMONT.

The agitation in the direction of changes in text-books began in March when a series of meetings were called in one or more places in each county. The school directors were met by the State Superintendent of Public Instruction, who discussed text-books, the interpretation of the new law, etc., with them.

By invitation the publishing houses were represented at these meetings, the morning session

usually being given to them. The New England agents have been scattered however, having matters both in New Hampshire and Maine to look after. The American Book Co. is represented by Messrs. Fitzpatrick, Holman, Carmichael and Mrs. Blodget; Ginn & Co., Messrs. Kenison, Moore, Adams and Judd; D. C. Heath & Co., Messrs. Ames & Camp; John E. Potter & Co., Nickerson & Dunbar; E. H. Butler & Co., Lyon & Folsom; Silver, Burdett & Co., E. and A. Silver, Banks, and Cooley; Leach, Shewell & Sanborn, De Normandie and Kimpton; Thompson, Brown & Co., Frank Smith, George H. Royce; Tuttle Co., Mr. Tuttle; Werner Co., Libby, Cooper and Chapman; Sheldon & Co., Chase and Hulse; Maynard, Merrill & Co., Mr. Smith; University Publishing Co., Mr. McGraw.

There are also S. D. Waterman, C. F. Prior, F. W. Dana, W. H. Carter, C. J. Scribner, A. C. Gibson, D. E. Putnam, Chas. A. Clark, J. J. Fennell H. C. Smith, and D. Hazen.

The results of the adoptions will not be made known until after June 1.

#### THE MASON MUSIC SYSTEM.

Boston has honored Prof. Luther Whiting Mason, the author of the National System of Music for schools, by extending a testimonial reception to him which was presided over by ex-Gov. Long. Dr. Mason is a native of Maine and came into prominence as superintendent of music at Louisville. From there he went to Cincinnati where he enlarged his system. In 1864 he came to Boston, where he fully established his fame as an author and composer of musical works designed for the instruction of children. He has been honored by foreign countries, principal among them Germany and Japan. He is now living in Boston, advanced in age, enjoying the profits of his labors, and maintaining an interest in his good work.

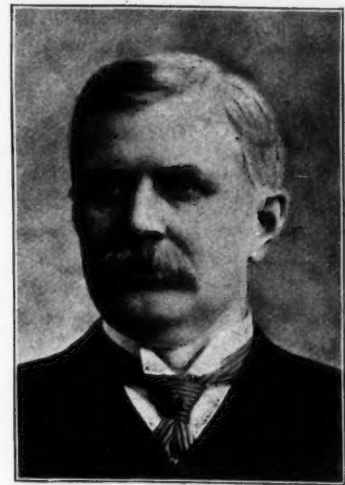


LUTHER W. MASON.

The American Institute of Normal Methods will open its Eastern session at Providence, R. I., July 16, and close Aug. 2. The Western session will open at Highland Park near Chicago, August 6, and close August 23. These sessions will embrace departments in vocal music and drawing. An able faculty has been secured. All correspondence, inquiries, etc., referring to the Eastern school should be addressed to Albert A. Silver, Jr., Business Manager, 110-112 Boylston St., Boston, or, Frank D. Beattys, Secretary, 31 East Seventeenth St., Union Square, New York. And those referring to the Western school, to A. W. Hobson, Business Manager, 262 and 264 Wabash Ave., Chicago, or, Robert Foresman, Secretary, 262-264 Wabash Ave., Chicago.



CHARLES C. WEHRUM.  
Member Board of Education, New York City.



A. S. DRAPER,  
President University of Illinois.

President Draper recently appeared before an educational gathering, at which he expressed the following:

As cities grow in size the problem of good schools becomes more difficult. The conditions of life are more diversified and the troublesome and unfortunate classes multiply out of proportion to the increase in population. The schools are to be judged by the character and enthusiasm of the teaching force, by the tone and spirit which pervades the system, by the agreeable and stimulating relations which are found to exist between officers and teachers and pupils and parents, by the extent to which the work of the schools is in harmony with the world's experience, with pedagogic science, with needs of the people, and the activities of our modern life, and by the position which the schools hold in the respect of the community.

No city can have good schools if they are to be dominated by politicians and honey-combed with politics. The schools must aim to be free from religious sectarianism and political partisanship. The American people are not ignorant of the world's history. If political partisanship has intrigued to gain power, so has denominationalism. It is not as bad as it used to be. There is no evidence of human progress more marked or more gratifying than the growth of religious toleration. But the American people will take no chances upon that question. The government will not use its authority to raise a fund for the education of the children of all the people and then permit any denomination to control that fund or any part of it.



WOMEN COUNTY SUPERINTENDENTS, WISCONSIN.

MARY E. SHANE, Rock Co.	C. GEORGIA BEVER, Pierce Co.	ANNA SMITH, Eau Claire Co.
MRS. J. S. WILLIAMS, Barrett Co.	EMMA C. UNDERWOOD, Iowa Co.	KATE SABIN, Dane Co.
ELVIRA BUCKLEY, Dane Co.	DORA M. RISER, Barron Co.	



## WOMEN AND SCHOOL BOARDS.

New Hampshire is added to the states in which woman are eligible to school boards.

A decision has been handed down by Judge Thompson in the Linn county district court barring women to vote even at school elections. He declared the act giving women a right to vote at municipal elections where tax levy is involved is unconstitutional on the ground that the Iowa constitution gives only male persons the right of suffrage.

Mrs. A. J. Peavy, state superintendent of Colorado is a sister of Gov. Upham of Wisconsin. She taught school at Racine for many years.

Urbana, Ill. The board of education is composed of three women.

The woman-voter is probably coming to stay. She voted for the first time in Ohio, at the late election, for members of school boards, and voted early, furnishing a large portion of the total vote. An incident of note at the polls in Cleveland was the appearance of a woman on a bicycle, smoking a cigarette, and in bloomer attire. It is not believed that the votes of woman materially changed results.

Danville, Ill. The woman candidate for the school board, Mrs. Jones' was defeated disastrously.

Quincy, Ill. The women have asked the city council for two women in the school board.

Willow, Ill. At the late school elections one woman voted.

The one thing that seems pretty well established by the voting of women at school elections in Eastern States is that they are, as a body, non-partisans. In some towns they voted with the Republicans, and in others with the Democrats, but in both cases on a side issue. In Bridgeport, Conn., a religious issue was injected into the contest, and on that the women voted almost solid with the Democrats. It does not appear that women voters had special interest in the success of woman candidates. In Columbus, Ohio, nearly 1,000 women voted and two women candidates on the Democratic school ticket were beaten. Male candidates on the same were elected. The new woman is not always young. At Cleveland there were four voters above the age of eighty-four. In towns where the contest was lively servant-girls were conveyed to the polls in their mistresses' carriages. As a rule, women in voting seem to attach importance to issues the male voter would subordinate to the good of his party. This tendency, should women ever become full voters, might lead to some unexpected results.

Baltimore, Md. An educational association reports the following: half the scholars and more than four-fifths of all the teachers are females. We believe that under such circumstances it is impossible to question that woman may be qualified to act as School Commissioners, and, therefore, we recommend that sex shall not be a qualification for commissioner.

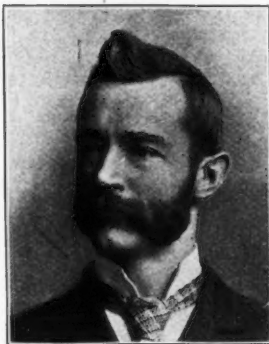
The Utah new school law says: No religious or partisan test or qualification shall ever be required of any person as a condition of admission into any public educational institution of the State, either as teacher or student. Neither the Legislature nor any county, city town, school district, nor other public corporation shall ever make any appropriation to aid in the support of any school, seminary, academy, college, university, or other institution, controlled in whole or in part by any church, sect or denomination whatever. The metric system shall be taught in all the public schools of the State.

M. A. Stone, who retires from the Stillwater, Minn., school system has done some valuable work in educational lines. He served as the superintendent of the Stillwater schools several years with fidelity and success. Close application to duty, strict adherence to the best ideas in progressive education have made him a valuable man.



M. A. STONE.  
Stillwater, Minn.

Omaha's school encyclopædia consists in J. M. Gillan, a bright, brisk gentleman, who holds the important position of Secretary of the Board of Education. He has the thousand and one details of this growing school system at his fingers tips, meets the exacting duties of his position efficiently and well. Mr. Gillan has splendid executive ability, is an expert in figures, is possessed of good judgment and has great tact in dealing with men and affairs.



J. M. GILLAN,  
Sec'y Board of Education,  
Omaha, Neb.

Dr. Bolenius is the chairman of the text-book committee of the Lancaster, Pa., school board. He knows, as all those filling similar positions should, something about text-books. The doctor is a gentleman of refinement who feels a just pride in his connection with the school system and performs the duties entrusted to him with great fidelity and care.



R. M. BOLENIUS, M. D.,  
Lancaster, Pa.

## HEATING AND VENTILATION.

Knoxville, Ill. Board will adopt the Smead system.

Verona, N. Y. Contract awarded to the Kernan Furnace Co.

St. Louis. Contract were awarded for the Huett & Smith and the B. F. Sturtevant system.

Hartford, Conn. Board is considering the Fuller & Warren system.

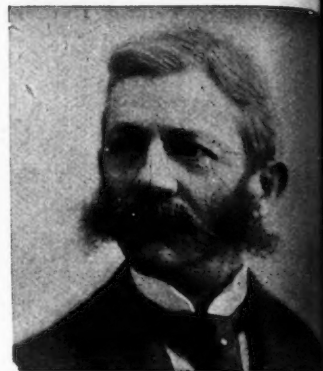
Saginaw, Mich. Contact with C. A. Crosby Co., Chicago for a McGraw smoke burner.

Jefferson, Wis. Board let contract for new high school building to Smead Heating and Ventilating Company.

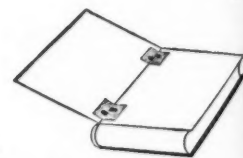
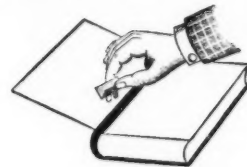
## SCHOOL BOOK COVERS.

The growth of the free text book system in this country has prompted Boards of Education to adopt some means of preserving school books by a simple and substantial covering. The material to be used should be durable and the shape and cut of the covering should be practical. The various kinds of book covers which have in the course of recent years sprung up have been pretty thoroughly sifted and it may be said that it has been a case of a survival of the fittest.

We believe it is safe to say that there is now practically but one desirable book cover in the market. This is the Holden cover, whose sales in 1892 exceeded 400,000. In 1893 the number was swelled to 759,000, but reached the 1,400,000 in 1894. This year the demand will exceed 2,000,000 covers. The growing demand for the Holden book covers is attributed not only to their durability and serviceableness but also to their cheapness in prices. They have been adopted by school boards and are in constant use in hundreds of cities and towns.



G. W. HOLDEN.



The Holden self binders are valuable inasmuch as they serve to repair quickly any leaves which may become loose or that may be torn. The binders are made of transparent paper.

For samples and prices on covers and binders address Holden Patent Book Cover Co., Springfield, Mass.

## A SCHOOL INK MAKER.

Among the ink manufacturers in the United States who have attained a reputation with the school public is W. W. Reed of the Western Ink Co., Winchester, Ind. Mr. Reed is a chemist of exceptional skill and long experience. Since he began the manufacture of school inks his product has been constantly growing. His aim has been to produce an ink which would serve for school purposes and which would sell at a reasonable price. The inks manufactured by the company are shipped everywhere and give good satisfaction.

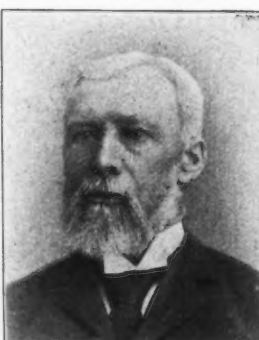


W. W. REED,  
Sec'y of the Western Ink Co.

The new sample book of school papers is issued by the Smith & White Mfg. Co., of Holyoke, Mass., is ready and can be had free upon application. The firm is the largest manufacturer of school stationery in the United States.



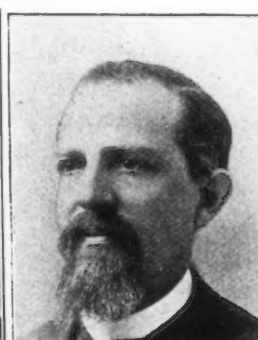
C. W. COWELL,  
Pres. District No. 2,  
Denver, Col.



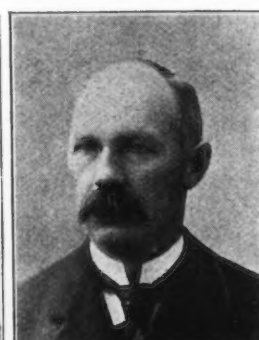
JOHN L. DAILEY,  
Member School Dist. No. 2,  
Denver, Col.



HENRY NIENHISER,  
Sec'y School District No. 2,  
Denver, Col.

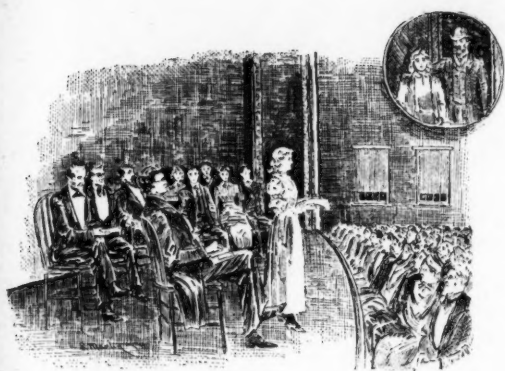


FRANK WHEELER,  
Member School Dist. No. 2,  
Denver, Col.



L. C. GREENBREE,  
Supt. School Dist. No. 2,  
Denver, Col.





## COMMENCEMENT EXERCISES.

The Lansing, Mich., school board decided to charge an admission of 10 cents to the graduation exercises next June.

Danville, Ill. Board declined to furnish caps and gowns for the graduating class.

Des Moines, Ia. Board refused to replace the usual commencement exercises by an address, as asked for by the graduating class.

La Crosse, Wis. An admission of 10 cents will be asked of pupils and 15 cents of others to the commencement exercises to be held at a theatre.

Marshalltown, Ia. Ten free tickets are given to all graduates. Admission fee will be charged to others.

Sharpsville, Pa. Board provides that commencement exercises shall include sword drill by elder pupils.

Lebanon, Pa. Board resolved that the Board select the place or hall in which the exercises shall be held. And reserved seat tickets be issued as follows: Four to each graduate; two to each director; two to each alumnus of the high school; one to each minister of the city.

Centralia, Ill. Board has decided to shut off all flowers at commencement exercises.

Stevens Point, Wis. The board of education is exercising its authority in a new way by prescribing that the graduates of the high school shall appear, the girls in "plain white muslin," the boys in "neat plain suits." This is to avoid any discomfort to the poorer students who cannot afford fine clothes for the occasion.

## SCHOOL BOARDS AND RELIGION.

The Ansonia, Conn., Board of Education, after a lengthy consideration, has decided to adopt the Lord's prayer in the public schools.

Philadelphia. Supt. Brooks favors the Bible in the schools.

New Castle, Pa. School Board has issued an edict that only the King James version of the Bible shall be read in the public schools.

Chicago. A request to use a school house for religious services was denied.

Scranton, Pa. Despite the injunction of Judge Guster restraining Prof. Hanyon, principal of the Waverly borough school, from reading the Bible in the school, the usual religious exercises were held all this week. The school board directed Prof. Hanyon to continue reading the Bible in the school, as the board did not believe there was anything in the constitution or laws of Pennsylvania forbidding it.

Elkton, O. Each member of the board of education was presented with a fine Bible.

Pittsburgh. The Hebrews are protesting against the practice of reading the New Testament in the public schools. They threaten to withdraw the Hebrew children from the schools, if some arrangement be not made by which the children will not be compelled to listen to the reading of the New Testament and the explanation of passages read.

Disco, Mich. Park Lyons, who was recently engaged as a teacher in the public schools, introduced prayer and Bible reading at the opening of the day's session. Some of the parents of children attending objected, and the Board adopted a resolution prohibiting both prayer and Bible reading. The defendants of the innovation then presented a mammoth petition, signed by a large majority of taxpayers of the district, asking the resolution be withdrawn. The board refuses and the taxpayers will appeal to the courts.

## FOR A COUNTRY SCHOOL HOUSE.

On this subject O. T. Bright, Co. Supt. of Schools, Cook Co., Ill., makes the following suggestions:

The girls' wardrobe should be separate from that of the boys.

The teachers' desk should be in opposite end of the room from the entrance.

This end of the room should have no windows. The pupil's desk should face that of the teacher of course.

The blackboard should extend across the end opposite the entrance, and the entire sides between the windows. It should be four feet wide and twenty-four inches from the floor. The best blackboard is the cheapest. In the best modern teaching, plenty of good blackboard is absolutely essential and it must be within the reach of little children.

A maple floor is cheapest in the long run.

There should be no platform in the schoolhouse.

A shield should protect the children from the direct heat of the stove.

There should be at least one extra chair for the directors when they visit the school.

A fresh air conductor should open into the room underneath the stove.

Ventilators to remove foul air should be built adjacent to the chimney.

## ELECTION OF CITY SUPERINTENDENTS.

Iowa. Creston, O. E. French; Clinton, A. Ebersole.

Indiana. Terre Haute, Prof. Wiley; Emerson, J. L. Laird, \$900; Carroll, W. H. Bender, \$1,200; New Albany, P. P. Stultz. Illinois. East Aurora, Prof. Freeman; Danville, Joseph Carter, \$1,800; Charleston, W. T. Gooden; Morris, J. M. Boyer, \$1,300.

Kansas. Independence, S. M. Nees; Holton, E. E. Heath; Abilene, J. C. Gray, \$1,275; Cherryvale, Prof. Myers, \$1,200. Massachusetts. Worcester, C. F. Carroll, \$4,000; Fall River, C. H. Hammond; Lynne, O. B. Bruce.

Minnesota. Owatonna, L. H. Ford, \$1,500; Marshall, C. M. Boutelle; Morris, R. C. Dewey; Stillwater, C. G. White, \$2,000. Michigan. Portland, Prof. Rogers; Manistique, J. J. Hornberger, \$1,200; Grand Rapids, J. J. Chalmers; Manistee, Albert Jennings, \$1,700; Lansing, Prof. Hoyt.

Montana. Helena, R. G. Young, \$2,600.

Missouri. Carrollton, L. W. Rader, \$1,200.

Nebraska. Tecumseh, T. H. Bradbury.

New York. Syracuse, A. B. Blodgett, \$3,600.

Ohio. Wadsworth, Prof. Plank; Findlay, J. W. Zeller, \$1,800; Shelby, C. H. Handy; Lorain, F. D. Ward, \$1,600; Lima, C. C. Miller; Hamilton, Nelson Potter, \$1,000; Marion, Prof. Powell; Miamisburg, Prof. Conway, \$1,400; Glenville, H. H. Culley.

South Carolina. Abbeville, W. G. Moncreiff, \$1,200.

South Dakota. Watertown, N. G. Wark.

Texas. Seguin, H. B. Griffin; Bryan, T. S. Minter; Rockdale, Prof. Brennan; Beaumont, P. A. Dowlen.

Wisconsin. Oshkosh, R. H. Halsey; Marinette, Professor Edwards, \$1,900.

Washington, Pa. The bidders were the Fuller & Warren & Co., Peck-Wilkinson Co., Smead, Wills & Co., and the Kernan Furnace Co. - no decision.



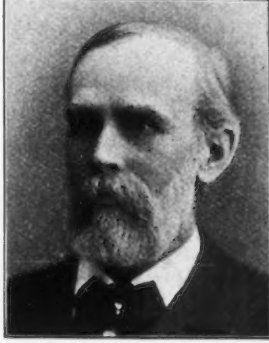
W. O. REDDING,  
Treasurer School Board,  
Montrose, Colo.



JOHN W. SEYFER,  
Sec'y Board of Education,  
Mt. Pulaski, Ill.



C. BURSON,  
Member Board of Education,  
Plano, Ill.



DR. DANIEL LIGHTY,  
Member School Inspectors,  
Rockford, Ill.



WM. R. BURKE,  
Parish Superintendent,  
New Iberia, La.



W. H. ELLIOT,  
Pres. Bd. of School Trustees,  
New Castle, Ind.



J. H. GATES,  
Supt. and Clerk of Schools,  
Rice Lake, Wis.



R. A. ROSS,  
Clerk Board of Education,  
Cohoes, N. Y.



ADELBERT L. SAFFORD,  
Supt. of Schools,  
Beverly, Mass.



R. SAUERHERING,  
Secretary Bd. of Education,  
Mayville, Wis.



JOHN R. HAYS,  
Secretary School Board,  
Norfolk, Neb.



A. J. MEACHAM,  
Member Board of Education,  
Red Wing, Minn.



# THE AMERICAN School Board Journal

DEVOTED TO

SCHOOL BOARDS, SCHOOL OFFICIALS, AND TEACHERS.

WM. GEO. BRUCE, - PUBLISHER AND PROPRIETOR  
372-6 Milwaukee St., Milwaukee, Wis.NEW YORK OFFICE: - - - 163 World Building.  
FREDERIC H. LAKE, Advertising Manager.CHICAGO OFFICE, - - - 928 Chicago Opera House Bldg.  
W. J. LAKE, Advertising Manager.

ISSUED MONTHLY.

SUBSCRIPTION, - - - TWO DOLLARS A YEAR

Entered at Post Office at Milwaukee, Wis., as second class mail matter

We are publishing the only Journal devoted exclusively to School Boards and executive officers. We furnish information on the doings of School Board committees, including important executive actions, best methods of heating and ventilation, text-books, with prices and adoptions, school law decisions, models of school buildings, statistics upon salaries, publish the engravings of leading school men, etc.; briefly, we keep School Boards and Teachers abreast with the time.

## WAKE US AT DENVER.

In answer to the many inquiries whether we shall be at the Denver N. E. A. meeting, we respond cheerfully and decidedly in the affirmative. Our foundry and sanctum will pull down the curtains and all hands will board the train for Denver.

We have chartered a special car in which our wife and babies will join us. Our baggage will include the canary and office cat. The landlord of the Brown Palace Hotel has reserved quarters for us. Call around while you are at Denver. Don't stand on ceremony. Ask for Bruce and his family. We will give you an old fashioned but hearty welcome. You'll find us quite neighborly.

## COMMENCEMENTS AND SCHOOL BOARDS.

The time of the year has arrived when the average school board is asked to interest itself in school commencement exercises. Boards are asked to sign diplomas, cover the expenses of hall hire, flowers, music and printing, while others are only requested to occupy a prominent position on the platform, look wise as well as dignified, and "make a few remarks." In different localities different customs prevail.

The action taken by certain boards of education during the past month regarding commencement exercises are not only interesting to the extent that they effect modifications and changes, but that they reveal the extent of authority assumed. One board prohibits flowers, another essays, still another supplants the customary exercises by a public speaker of prominence, and so on. The most radical step, however, has been taken by the board of education of Stevens Point, Wis., which prescribes to some extent a limit to the dress in which graduates of the high school shall appear at the exercises. The board decrees that hereafter at the high school graduating exercises the young ladies shall appear in "plain

white muslin," and the young men in "plain neat suits." Says an exchange:

"This is a matter most difficult and delicate to handle, and yet it is one that has appealed to the sentiments of a great many people. Ordinarily speaking, it is a species of offensive paternalism to dictate what people shall eat and drink and wear. Yet within an educational institution certain rules and regulations must necessarily be observed in order to preserve order and promote the objects of the institution. It would not do to allow pupils to eat during school hours or wear their hats in the school room. Upon some such assumption, perhaps, it may be considered proper for a school board to regulate the costume or dress which shall be worn in the public exercises of the school. But aside from the purely paternal phase of this question, there is, in reality, a more important consideration involved. The very basis of our public school system is equality. That is, equality of rights, benefits and opportunities. The great principle is prevalent and maintained that the children of the poor shall have and do have every advantage and every attention granted to the rich. The only distressing exception to this established policy of our public schools has been in the display of dress on public occasions, and more particularly on graduation days. Here the children of the poor have always been discriminated against by circumstances over which governing school bodies have hesitated to assume control. The poorer pupils have been compelled to appear at a disadvantage in the matter of dress, or go beyond their means in attempting to keep pace with the more wealthy. The rich have set the pace, which a justifiable personal pride has compelled the poor to follow. Thousands of parents and graduating youths of the land would hail with approval some such restriction in every school and educational institution in the land. The display on graduating day should exemplify the teachings of the class room and the chapel—that it is intellectual and spiritual worth, and not fine clothes, that measures character and accomplishment."

## BANKRUPT SCHOOL BOARDS.

The closing of the schools at St. Joseph, Mo., Oakland, Cal., and other places, owing to lack of funds, offers an object lesson to school boards which should not be overlooked.

The difficulties arising between the adjustment of an adequate tax budget and the disbursement of school funds, their adjustment to the requirements of a school system, are at times many and perplexing. Unforeseen contingencies may arise which will puzzle the wisest school boards. The howling tax payer on the one hand, and the unreasonable petitioner on the other, always exist. The desire for an economical public administration, together with the rapid growing demands for school facilities, make school board deliberations difficult. In many instances an arbitrary and unappreciative city council thwarts the best efforts of the school board. Unjust state laws are also great hinderances in some localities.

Every community presents the indications of a certain natural increase in its population. This probable increase can be anticipated to a reasonable extent, and provisions should, if possible, be made.

Boston plans its school facilities five years ahead. There is some wisdom in this.

It is better to have one empty room than to exclude a hundred children or close the schools prematurely for lack of room or funds.

## OUR CARTOON.

The outbreak at Kansas City, Mo., where a petition, signed by thirteen hundred names was sent to the Board of Education, asking for the removal of certain teachers, was followed by a vigorous reply from President R. L. Yeager. The reply is so thoroughly in keeping with the better sentiments of the intelligent and fair minded men that we produce extracts from it:

"The public schools belong to all the people and all have equal rights in them. They are supported from taxes raised from all the people, without regard to their faith, creed or party affiliations. The common school is the great leveling power in this country, and we believe the bulwark of safety of the republic, and the aim should and must be to so conduct them as to bring all under their benign influence and to make each and every citizen feel that he has an interest in the schools. In our judgment, to accomplish this, the public schools must be kept non-partisan and non-sectarian. The moment you cut loose from these two cardinal points, that moment you have entered the wedge that will ultimately destroy the good mission of the common schools. We are opposed to the class legislation in our schools as we believe it to be un-American.

"We do not believe that it is within our province to inquire into a person's faith, creed or party affiliations. It matters not whether they are Jew or Gentile. Is the applicant honest, competent and of good moral character and will he or she make a good, earnest and loyal teacher in our schools, is the question with us in the employment of teachers. When these qualifications have been answered in the affirmative, we do not believe for a moment that we have the right to inquire as to the special faith or party predilection of the applicant. If we were conducting a private school, it might be different. We do not believe that the loyal, liberty loving and God fearing American citizens would approve the making of a religious or party test.

Our schools have always been kept free of partisan and sectarian agitation. We sincerely believe that it is largely due to this very fact that our schools have taken the rank they have throughout our country. We aim to the highest citizenship, purest morality, and loftiest patriotism. We are one people, with a common destiny, with one God, one flag, and one country."

The legislative investigation of the Indianapolis school is once more taken up. Sensational and unreliable newspapers can stir up an investigation anywhere.

Pennsylvania has passed a compulsory education law. Philadelphia has no more room, is already compelling 8,000 pupils to attend half day classes. Compulsory laws, in order to be complete, should compel school boards and city councils to provide sufficient school room.

San Jose, Cal. Board has decided that it cannot prevent Chinese children attending the public school. The board has sought to appease the indignant parents of white pupils, but cannot find any law that will permit them to deny the Chinese children the same privileges as those accorded white students.



## AMONG BOARDS OF EDUCATION.

Philadelphia. The board is laboring with the question whether men or women shall teach in the eleventh and twelfth grades.

St. Louis. Two members of the board, Henry Troll and Henry Bus hold other public positions. One is sheriff and the other a deputy. They like the school board work and don't want to resign. A special election would entail an expense of \$6,000.

Peabody, Mass. A movement is on foot to pay salaries to school board members.

Argentine, Kans. A member of the board has been absent so long that he is now asked to attend or resign.

Allegheny, Pa. Board will forbid corporal punishment hereafter.

West Superior, Wis. The board has rented a hotel for high school purposes.

Erie, Pa. Three members of the board resigned for an alleged insult offered them.

Pennsylvania. The school boards in the larger cities throughout the state protest against the bill in the legislature reducing their membership. It is held that smaller school boards become exclusive bodies and are not truly representative of the people. A leading journal says: "The patriotic, old fashioned men of common sense in Philadelphia, who have been brought up to believe in American ideas and who do not intend to have the public schools pass into the hands of Anglomaniacs and 'social status' cranks, will put a quietus on the Porter bill."

Niagara Falls, N. Y. Jas. H. Trott has just entered upon his forty-eighth consecutive year as a member of the board of education.

Cleveland, O. Clerk Goldenbogen, who has inquired into the mode of paying teachers in larger cities, finds that in Albany, Pittsburg and Cincinnati, the principal of each school building is given a check in bulk, he or she, as the case may be, draws the money at the bank and pays the teachers every pay day. The check system is the vogue in New York, Buffalo, Chicago, St. Louis, Indianapolis, San Francisco, Philadelphia and Detroit. In those cities each teacher receives an individual check, either by mail or through the principals, but no where are the teachers compelled to hang about the city hall, and wait in line until they are called.

Pekin, Ill. In the John Sidman school district at the late school election for directors, but three votes were polled—two Republicans and one Democrat.

Duluth, Minn. The board brought up the fact that recently the AMERICAN SCHOOL BOARD JOURNAL published a cut of the high school, labelling it "A Model School" without crediting the structure to Duluth. An objection was made to that and a committee, composed of the president and secretary of the board, will hereafter endeavor to see that Duluth gets proper credit in such cases.

Dubuque, Ia. The school board has now, for the first time in that city's history, provided the schools with a superintendent.

Rapid City, S. D., has invented a new method of choosing a clerk. A resolution calling for bids for

the position was adopted and a special meeting to consider the same provided for.

Philadelphia, Pa. William Henry Harrison Davis, a member of the school board of the Second ward, is writing a book entitled "Down-Town Politics in the Last Thirty Years."

In the following cities school boards fixed the school taxes as follows: Quincy, Ill., 4½ mills; Palo, Mo., 6 mills; Wickford, R. I. 3½; Trenton, Mo. 2½ mills.

Tiffin, O. The board of education adopted Cushing's Manual as the rules which should govern the board.

Stillwater, Minn. The board elected C. G. White, of Lake Linden, Mich., to the superintendency, in place of M. A. Stone. The new superintendent then stated that he would accept provided a position was given his wife. The board decided that it would not accede to his demand, and promptly appointed F. L. Pringle, of Aurora, Ill.

Cranston, R. I. A school house was erected in an inaccessible portion of the city and the board in consequence, agreed to remit to each pupil one-half of the car fare expended. Recently some of the pupils invested in bicycles and now the board has trouble on its hands.

Louisville. The proposition for a grand school picnic was lost.

Blue Earth, Minn. Board will hereafter require all teachers to attend local meetings or institutes.

An enterprising teacher can make good salary. Address A. P. T. Elder, 188 Dearborn St., Chicago.

## AMONG THE TEACHERS.

The Northern Indiana Teachers' Association, at a meeting held at South Bend recently, adopted the following resolution: "We desire to express our approval of, and pledge our support to, all efforts to make the public schools of the people free from political, sectional, and religious entanglements, devoted solely to the work of securing the most intelligent, conscientious and patriotic citizenship in those committed to our care."

Our correspondent speaks of the school board of Tracer, Ia., in this manner: "The board is looking out for the almighty dollar for the tax payers, and have decided to pay but \$1,000 per year for principal. They are acting 'penny wise and pound foolish' by saving a few dollars and disposing of a first class teacher."

Sedalia, Mo. The board has restored the five per cent. cut in teachers' salaries, but has established the provision for an advancing scale of \$5 a month for each additional year's service.

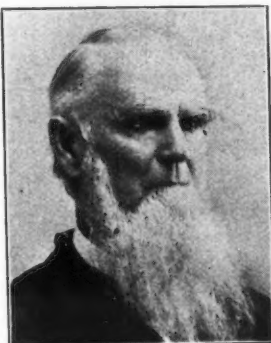
The Richmond, Ky., teachers in the graded schools are wearing long faces of late. At a meeting of the board of education it was decided that they must undergo a competitive examination to hold their places next year.

Los Angeles, Cal. An attempt will be made to abolish the rule which prohibits married lady teachers.

New York requires candidates for pedagogical certificates to pass a physical examination.

The Joliet, Ill. board of education inaugurated a system of city examinations for teachers as applicants. There will be three regular examinations per year, and as many more as the superintendent deems necessary.

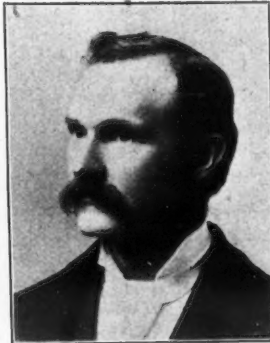
Cleveland board recommends separate morning and afternoon sessions in the high schools.



H. W. FARNSWORTH,  
Secretary.



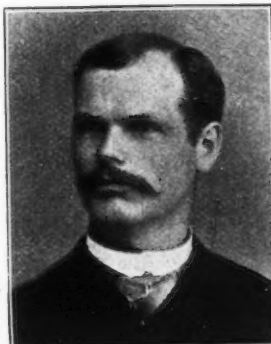
HON. R. B. WELCH,  
President.



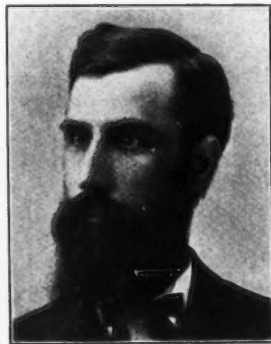
W. M. DAVIDSON,  
Superintendent of Schools.



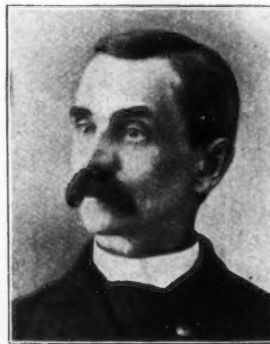
REV. J. B. THOMAS, D. D.,  
Member.



DR. L. M. POWELL,  
Member.



JESSE SHAW,  
Vice-President.



J. W. PRIDDY,  
Member.



W. H. WILSON,  
Member.



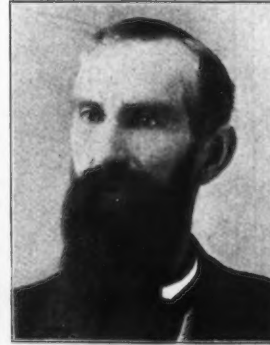
DR. J. M. WESTERFIELD,  
Member.



WM. MCFERRAN,  
Member.



T. A. BECK,  
Member.



J. H. SQUIRES,  
Member.



S. C. MILLER,  
Member.

BOARD OF EDUCATION, TOPEKA, KAN.



## SCHOOL HOUSE DESIGNS.

In the basement are accommodations for heating and fuel rooms, water closets for boys and for girls under the rear portion of the building, and under the main portion boys' and girls' playrooms, gymnasium, etc., all well lighted and ventilated.

On the first floor are six school rooms averaging a seating capacity of fifty-five scholars each, together with recitation rooms and superintendent's office.



School House Design No. 1.

On the second floor are three class rooms averaging seating of fifty-five each, three recitation rooms of large size, a high school room seating 125 scholars, a laboratory 15x16 feet, with furnace etc., and a library 16x26 feet. All school rooms are provided with ample separate wardrobes for boys and girls.

Three wide flights of stairways lead to the second floor. The arrangements for light are such as to admit an abundance to every part of the rooms and from the right sources, and prevent the inconvenience and danger of excess, glare or reflection, or of cross-light. The building has been designed to use steam heat.

In the architectural design of the exterior we have a building characteristic and able to tell its own story and at once conforming to the hygienic and economic needs of the school. The foundation of the building is of stone, the superstructure of brick, using pressed brick facing with stone trimmings. For the interior trim may be used natural finished yellow pine, cypress or butter-nut wood. The cost is estimated as between \$30,000 and \$40,000, according to the locality and manner of finishing.

Designed by Geo. W. Payne & Son, architects, Carthage, Illinois.

## DESIGN NO. 2.

This is a design for a twelve room school, built in pressed brick, having six rooms on each floor, with water closet accommodations, playrooms, etc., in the basement. Heated by steam. The four front rooms on the first floor, have a seating capacity averaging 50 each, and the two rear rooms averaging 55 each. On the second floor the rooms average about the same size, and we have a com-



School House Design No. 2.

modious library and reading room, a principal's room, etc. All rooms are provided with ample wardrobe accommodations.

If it were desired to make a high school building of this, the second floor could be nicely arranged for the purpose and have a high school room seating 150, three school rooms seating 50 each, a library, reading room and large laboratory. The main stairway is well arranged, starting from the main hall below, leading by single flight to a wide landing well up above the head room of the first story and thence by several separate flights to the floor above, two short flights leading to the front hall and wide flight leading to rear hall. From the side entrance is another stairway leading to the second floor, and landing in the back hall. The general make-up of the exterior is simple, dignified and architectural, using ornamental work only in securing rich details, altogether securing a very neat, attractive building. Estimated cost from \$26,000 to \$30,000. Designed by Geo. W. Payne & Son, architects, Carthage, Ill.



New Columbia School, St. Louis, Mo.

The new Columbia school, St. Louis, will be three stories high, contain 12 rooms, and will cover a surface space of 81 x 113 feet. The style will be mainly Romanesque. Brown stone trimmings, terra cotta and ornamental brick will be blended. It will be roofed with slate and crowned with a pretentious bell tower made of brick, stone and iron, in which a clock will be placed.

## WHY WE HAVE DEFECTIVE SCHOOL BUILDINGS.

It is a deplorable fact that not more than one school in ten is built as it should be. There must be some reason for this, as no honest school board would build a poor school if they could obtain a good one for the same money, no more than a grocery keeper would buy a bad egg if he could get a good one. We believe a large majority of the mistakes can be attributed to the lack of experience of school boards in the matter of school house construction. They do not know what constitutes a good school to begin with.

W. D. DICKSON,  
School House Expert.

School boards are elected from time to time to serve only for a short time, some for only one year. They are selected from all

walks of life—some business men, some professional men. They all have their own business to attend to, and in a great many instances they do not have the time to devote to the school that they should. Especially is this true with reference to new schools. From the fact that school boards are continually changing, they never become familiar with their work.

When a new school is to be built they usually entrust the work to a local architect. He may be a good house architect but one who knows nothing about building schools. If the plan is wrong, the building will be wrong. If the plans are selected in open competition, all architects who submit plans, know that the majority of school boards are not able to correctly read the plans, but can tell a pretty elevation when they see it.

Architects know this and when they present plans they always try to present a beautiful elevation, as they all know beauty has a way of its own. As a rule the plans are selected from the elevation, a good deal like a man would try on a vest to select a suit of clothes to fit.

Now this is all wrong. The plan should be the first consideration, of course, and there is no objection to a beautiful exterior, but the inside of a school building should not be sacrificed for the outside appearance.

Now what is the remedy? State Supervision.

If we had state supervision there would be a state inspector and when a new school was to be built the plans that were selected by the board would be submitted to this inspector for his approval. If the plans were correct in every particular, it would receive his O. K. and he would return them to the board. If it was found that plans were lacking in any particular he would state it and the defect would have to be remedied before the building would be commenced. In this way good school buildings would be assured.

It is now pretty well understood that every school room should be built to accommodate fifty pupils, that being as many as one teacher can well look after. It is also admitted by every one that has given the subject any thought, that the light should come from the left of the pupils when seated. The farthest seat from the light should not be too far away from the light so that every part of the room would be well lighted. In order to accomplish this, the light must be placed on the long side of the room. It is also admitted by the best authority on ventilation that enough air must be admitted to each school room to give at least 2,000 feet of air to each pupil per hour. The manner of heating is of but little moment, but when ventilation is required some system of indirect heating is usually adopted, as it is much cheaper and much more satisfactory than direct heat.

A state inspector, clothed with authority and with the knowledge of the requirement of the school room can pass on a plan intelligently, and as school board that complies with his requests will get a good school. This is what the tax payer wants, and it is what he should have. School boards are supposed to carry out the wishes of the tax payers. That is what they are elected for. If, then, good light and pure air in a school room is a benefit, no school board has a right to build a school without it.

It is generally supposed that all school rooms are well lighted and well ventilated, but such is not the case. From the most reliable source it is estimated that not one school in a hundred is correctly lighted in every room and not one in a thousand is properly ventilated as it should be. A careful examination of the school in one city showed that out of 200 school rooms only one school was ventilated sufficient to give the required 2,000 feet of air to each pupil per hour. The same is true in almost every city.

School boards are gradually waking up to the importance of ventilation, but the progress is very slow. About the time they are fully awake, their time of office expires and a new set come in. They in turn have all to be educated up to the same



point, and by the time they are educated a new set is elected, and so on.

Now who educated the school board? It is the Heating and Ventilating concerns of the country who have heating apparatus to sell. Who pays these concerns for educating the board? It is the tax-payers. It is estimated that it costs a school board 100% more for what heating apparatus they buy for the school, than it would if so much time was not wasted in selling the goods, or, in other words, educating the school board. It costs the tax-payers as much to educate the board as the heating apparatus does. State inspection would do away with all this unnecessary expense. In some cities it costs \$700 a room to heat and ventilate their schools. It is claimed that the best heated and ventilated school in the country, is the South Evanston School. In this school the actual cost was only about half of this amount.

This all goes to show that the tax payers are spending their money educating school boards, when they ought to be governed by state laws.

It is very evident that it is much cheaper to educate one state inspector than it is to educate the entire school boards of a state. Besides, a law once established on the right basis would be right always. The state inspector's duty would be to see that the law was carried out. We appoint state inspectors to see that coal mines are properly ventilated; we also appoint a commissioner of public work and a building inspector in cities to look after the interests of the public. Why not for schools? The National Association of School Superintendents recommend state inspection. Every business man sees the importance of it; every child that attends school would be benefited by it.

Let us have state inspection. It is a good thing.  
W. D. DICKSON.

# BOOK REVIEWS.

THE COMMON SENSE COPY BOOKS. By Joseph V. Witherbee. A. Lovell & Co. Price per dozen 85 cents.

A series of six blank books for practice in vertical penmanship. On the covers are directions and charts showing spacing. The books are progressive, No. 1 containing short words only, and No. 6 containing business forms.

A POPULAR GEOGRAPHY. By George D. Free, A. M., Louisville. Educational Courant; 154 pages.

A collection of facts in the shape of answers to questions, descriptions and statements. They are not arranged with the greatest care, but they are valuable to teachers and students. The book is not free from errors. The "molten interior" of the earth is a disputed theory.

BOW-WOW AND MEW-MEW. By Georgiana M. Craik. Maynard, Merrill & Co. Paper, 12 cents.

An entertaining, illustrated child's story of a dog and a cat that acted very much like human beings, now good friends, now quarreling. They do not know when they are well off, and run away from a comfortable home to find something better, and after many hardships find their way back, foot-sore, weary and sick, convinced that there is no place like home.  
S. M. B.

LESSONS IN THE NEW GEOGRAPHY. By Spencer Trotter, M. D. D. C. Heath & Co.; 182 pages. Cloth, \$1.

A book for "student and teacher." No maps of the ordinary kind are given, but there are small maps showing the distribution of the races of men and commercial routes. Attention is called to the influence of climate, location, and scenery, upon the character of men, and to the plants and animals that have contributed to the comfort of the race. This is not a geography, but a collection of facts and suggestions intended to increase interest in the study.

GERMAN SIMPLIFIED. Published by the Institute for Teaching Foreign Language. London. Price sixpence each.

A series of little books of about sixty pages each, paper. It is Hugo's simplified system containing the substance of the grammar, with reading lessons, and exercises in German composition, and intended for easy and rapid self-instruction. The pronun-

ciation is indicated as well as it can be done without oral instruction. The books have been prepared with care and are well adapted for the purpose intended.

GREEK LESSONS. By Thomas Dwight Goodell, Ph. D. Assistant Professor in Yale University. Henry Holt & Co.

Part I. The "Greek in English" gives in the grammatical outline only the most common and regular declensions, and only the present indicative and infinitive of verbs. Contraction is left untouched, to be taken up with contract verbs. Much attention is given to the derivation and meaning of words. The student is not required to learn all about the grammar to begin with. What is given him to learn is well arranged. There are exercises from Greek into English and from English into Greek.

Part II. takes up the verbs in a succession of lessons, analyzing quite thoroughly the different formations and the many constructions, and introduces the learner to the easy, graceful Greek of Xenophon. The book is in flexible binding, clearly printed and in every way an admirable book for beginners.

ELEMENTS OF MECHANICAL DRAWING. By Gardner C. Anthony, A. M., Professor of Drawing in Tufts College. D. C. Heath & Co. Price \$1.50.

One of a series of books on technical drawing. It is not a large book, of 98 pages followed by 32 pages of drawings. Instruments are described and their use explained. The elements of geometry with numerous problems in geometrical construction are given as the basis of mechanical drawing. The third angle of projection is used. Instead of "plan" and "elevation" the terms *top* and *front view* are employed. Conic sections are added to common geometrical figures. From these the learner is led on to projections. Some of the drawings are not as large or clear as they ought to be.

SELECTIONS FROM ALFRED DE MUSSET. Edited by L. Oscar Kuhns. Ginn & Co.

The author belongs to "the 1830 period" of French literature. The collection opens with a passage from Rolla who charges Voltaire with the moral dreariness of the present, and laments that "he has come too late into a world too old." The four "Nuits" contain many apt and beautiful figures. They are justly regarded as Musset's finest lyrics and are enough to stamp him in the world's literature as a poet of the most genuine sort. Those lovers of music who have wished that the voice of a great singer might become part of the general art possessions of the world,—will appreciate the tribute to the great Malibian.

Bright conversation, well-defined characters, and rapid movement mark the three comedies. They have stood the test of acting, having been played scores of times.

In the introduction the editor has outlined the early life, the mental and moral environment of the poet. The analysis of mind and character is discriminating. The notes are mainly historical. The parallel passages are designed to show the influence of great writers upon Alfred de Musset and to help "the comparative study of literature." The entire volume is offered as a contribution to the purely literary side of modern language teaching.  
C. H. L.

DRAWING IN THE PUBLIC SCHOOLS. By Anson K. Cross. Instructor in Mass. Normal Art Schools. Boston Museum of Fine Arts.

Many valuable suggestions to teachers are given in this manual. Special stress is placed upon the author's method of leading the pupil to represent the actual appearance of objects by independent criticisms of his own work. He would place in the hands of the pupil a transparent glass slate with an adjustable curtain back of it. Upon this the pupil is to sketch the object as it appears to him. Then test his own work by lifting the curtain and trying to cover the object with his sketch, see his mistake and try again. The author would have pupils do more illustrative work. He advocates the omission of all light and shade work in the grades, also all mechanical drawing, concentration of energies in free hand work.  
M. D. S.

STATE EDUCATION FOR THE PEOPLE IN AMERICA, EUROPE, INDIA, AND AUSTRALIA. Published by C. W. Bardeen, Syracuse, N. Y. Price \$1.25.

This is a collection of papers written by well known educators and educational writers of England.

The aim is to "give certain representative methods of education as they are practised in different countries." Attention is given more particularly to education in the various English-speaking countries, and the topics included are Ancient Civilization and Modern Education, by Sir Wm. W. Hunter; Elementary Education, in England, by Edward M. Hulse; State Education in Scotland, and in Ireland, English and Continental Systems Compared, Education in the United States, Australia, and Canada, by E. F. M. MacCarthy. Notes are contributed on Commercial Education, and papers are given by Mrs. Emily Crawford on the Education and Status of Women, and by Sir Philip Magnus on Technical Instruction and on Payment on Results.

The new code for 1890 passed by Parliament is appended with an editorial summary and conclusions, and a bibliography which will be found valuable for the student of educational systems and methods. Altogether the work forms a valuable contribution to the educational literature of the day.  
A. J. R.

THE CIVIL GOVERNMENT OF THE UNITED STATES. Williams & Rogers, Publishers, Rochester, N. Y. Cloth. 235 pages. \$1.25

This work is in five divisions: Introductory, Colonial Government, Revolutionary Government, Government of the Confederation, Government under the Constitution. It is arranged in forty-five lessons. The topics are in heavy type. The subject matter is stated concisely and clearly. There are no lengthy discussions. Each lesson closes with a set of questions as a review. Much of history is given. Not only the provisions of the Constitution are explained, but the government of the town, county and state with their officers. Many interesting matters are explained, such as the details of procedure in passing bills, elections, choosing of seats in the House and Senate. The appendix of about thirty pages contains tabulated information of certain laws, requirements and customs in the different states, qualifications and salary of officers, and other matters. The book contains several fine pictures—the Capitol, White House, halls of Congress. The matter is excellently arranged for a text book.

RODERICK HUME. C. W. Bardeen, Author and Publisher. Syracuse. Paper, 50 cents.

The reprint of a book first published in 1878. It is the story of a school teacher's experiences, very true to life. Members of school boards, agents, jealous teachers and refractory pupils are all introduced to carry on the plot. Some romance runs through the story. Everything turns out well of the teacher in the end.  
S. M. B.

DER MENSCHLICHE KÖRPER. Dr. Hermann Dörner. Otto Meissner, Hamburg, Germany.

In this little book the author has aimed, not so much to enumerate a large number of anatomical details as to present those anatomical, physiological, and hygienic facts, the knowledge of which is of great importance in the study of the requirements of our body, of its well-being and of the development of our physical strength and energy. The author sought therein to lead the student to an understanding of the relation between the habits of life and health. The book which is profusely illustrated has already been introduced into many schools in Germany.  
L. S.

DIE WICHTIGSTEN FAMILIEN DES PFLANZENREICHS IN IHREN EINFACHEN UNTERSCHIEDENDEN MERKMALEN. Dr. Hermann Dörner. Otto Meissner, Hamburg, Germany.

The author enumerates only those families of the Decandolle System which has been proven necessary with regard to the instruction in botany in intermediate and higher schools. Only those characteristics have been placed herein, which distinguish them from other families. The empty space following the names and characteristics of each family are left for the student to note their species and genera known to him.  
L. S.

Continued on Subsequent Pages.



## SUPPLIES AND EQUIPMENT.

Newton, Mass. Committee decided to discontinue slates and slate pencils after June.

Philadelphia, Pa. Committee in charge of manual training schools let contract for drawing instruments for the schools to Weil & Laws, at \$3.65 per set.

Minneapolis, Minn. The Board accepted bids from J. S. Todd, Graham Paper Company, and Lesley & McAfee for year's supply of tablets, aggregating 150,000 in number and amounting in value to \$3,666.25.

For samples and prices on text book covers write to the Holden Patent Book Cover Co., Springfield, Mass.

The Cambridge, Mass., school board has passed an order abolishing the use of slates, sponges and slate pencils in the public schools.

Eau Claire, Wis. Mrs. S. T. Johnson addressed the board on a historical chart. Her remarks were favorably received.

Duluth, Minn. Board purchased a set of relief maps of Central School Supply House, Chicago.

A fine engraving showing the "Holyoke Dam" is being sent by the Smith & White Mfg. Co. to its patrons free of charge. Write for one and you will get it.

New York. State Supt. Skinner has notified school officials that they cannot purchase charts out of library funds.

Winona, Minn. The board has an offer to place telephones in the schools at \$2.25 per month per phone.

New York state is a good market for flags. The new law orders flags for every school house.

Edwin E. Howell, the well known specialist at Washington, D. C., has prepared systematic and interesting collections in mineralogy, geology and zoology which will be sold at reasonable prices.

Appleton, Wis. Telephones will be placed in the schools.

Detroit. No orders for black boards will be given hereafter without bids.

Lima, O. Telephones will be placed in the schools at \$1.50 per month each.

The Graves natural stone water filters are now being specially adapted for school purposes. The Cream City Brass & Filter Co., of Milwaukee, Wis., manufactures them.

Sioux Falls, S. D. Fire last month caused a complete loss of \$34,700 worth of school supplies of the Chicago School Supply Company, managed here by Earl V. Norton.

Howard, Colo. G. W. Plummer introduced himself and exhibited Yaggey's anatomical chart at \$52.50, Yaggey's geographical chart at \$15, and one set of Kennedy's mathematical blocks at \$37.50, which were purchased by the board.

Erie, Pa. Board purchased 18 sets of relief maps from the Central School Supply House, Chicago, at \$1.50. L. S. Dickey, Agent.

The electric programme clocks manufactured by Fred. Frick, Waynesboro, Pa. are meeting with a large sale. The new school buildings being erected everywhere are largely being equipped with them.

Minneapolis. Board supplied schools with Mystic water filters.

St. Louis. Board has given exclusive right to photograph children and schools to one photographer. Condition is made that photos must not be taken during school hours.

Harlem Township, O. Board of Education have purchased new charts on grammar and arithmetic of Dr. Reece Montgomery at \$27.50 each.

Middleton, N. J. Request by photographer to take pictures of school children in groups was denied.

Detroit. The bidders for artificial blackboard were W. A. Olmsted, Chicago, E. & J. Austin and the Prentiss Co.

S. M. Stanciliff, of the Western Supply Company, of Hagerstown, exhibited a new school desk and Kennedy's Improved Dissecting Mathematical

Blocks, giving a practical illustration of the rules of arithmetic and mensuration.

The Wisconsin School Supply Co. has been organized at Milwaukee. Kennedy's Mathematical Blocks and general supplies will be handled.

Lincoln, Nebr. Committee reported it would be money well invested if the board would procure three of the Yaggey's manikins at a cost of \$30 each.

Pittsburgh, Pa. Bid for school supplies was awarded to J. M. Greenwood & Co., Youngstown, O. and W. G. Johnston & Co., Pittsburgh.

Chicago. Contracts for black board work were awarded to Thomas Kane & Co., W. A. Olmsted and Chas. J. Kelly.

New York City. Contract awarded to Consolidated Lehigh Slate Co.

Ann Arbor, Mich. Board purchased seven sets of Relief maps from the Central School Supply Co., Chicago.

Board received the following propositions:

Brooklyn. From Gustave Freret, proposing to furnish Freret's casts of eighteen pieces in box at \$5.50 per set; without box, \$4.75 per set; Greenwood School Supply Co., submitting for adoption the Victor slate and Greenwood slate eraser.

Chicago. A. H. Andrews & Co. have issued a handsome little volume on the "Evolution of the Chair," which is beautifully illustrated.

Contracts for Olmsted's Artificial Slate Blackboards have been let to W. A. Olmsted by the following cities: Chicago, Ill., Healy School, Newberry School, Von Humbolt School, Townsend St. School; Washington, D. C., the Mt. Pleasant School; Salt Lake City, Utah, the Salt Lake City Collegiate Institute; also new public school building Mt. Kisco, N. Y.; also the new public school buildings at Marseilles, Ill., Woodhull, Ill., Fairbury, Ill., Bloomington, Ill., Janesville, Wis., Martin's Ferry, Ohio, La Porte, Ind., Bluffton, Ind., Muncie, Ind., New Castle, Ind., Goshen, Ind., and also the new public school building at Millvale Borrow, Allegheny Co., Pa.

## SCHOOL FURNITURE.

Easton, Pa. Board deducted \$300 forfeiture from bill of New Jersey Church-School Furniture Co., for failure to comply with contract. The board claims that it lost \$450 in salaries, being obliged to close schools, pending the arrival of the furniture.

Milford, Mass. Contract awarded to Chandler Adjustable School Furniture Co.

New York City. Contracts for school desks were awarded to Richmond School Furniture Co. C. Roehr & Son, Andrews Manufacturing Co., New Jersey School-Church Furniture Co., the Grand Rapids Seating Co., were awarded contracts for the new adjustable seats.

Scotland, Pa. Contract for school furniture for Soldiers' Orphan Home was awarded to Thomas Kane & Co., Chicago.

Newark, N. J. Contract for Newark Academy awarded to Chandler Adjustable School Furniture Company.

Syracuse, N. Y. The board is in a wrangle with the city council. A short time ago the board awarded contract for school desks to the Piqua School Furniture Co. When the contract came up to the city council for approval it was returned for re-advertisement. After this was done the board again awarded the contract to the Piqua people. The council once more objects as it wants the contract to go to the lowest bidders. The board has answered, stating that the Piqua is the lowest considering quality, etc. The issue is now square between the school board and the city council and the former want to know whether they are "men or mice."

Bluefields, W. Va. Placed an order with the Piqua School Furniture Co., of Piqua, Ohio, for the school desks and other furniture for the fifteen rooms in their new school building.

Hope, Ark. Hope Institute has placed an order

for the furniture and blackboards for its new building with the Piqua School Furniture Co.

Wm. Peard, who left the United States School Furniture Co. Jan. 1, to manage the Eastern office of C. Roehr & Son, has returned to the former. The Roehr office has been closed.

The Manitowoc Seating Co. has opened a New York office. The Andrews School Furnishing Co. are the agents.

Somerville, Mass. The new \$100,000 high school will be equipped with 630 new Chandler Adjustable school seats. After the hottest kind of a competition it was awarded, and 25 cents per set more paid for the goods than any other competition asked. The committee was unanimous.

The class chair, manufactured by Buckstaff-Edwards Co., Oshkosh, Wis., has had an immense sale. It was originally designed by a president of a Normal school, who wanted a durable and serviceable article. The manufacturers filled the order and have since then continued to manufacture them on demand.

New York City. New Jersey School-Church Furniture Co. has been awarded, by the city for various schools, contract for over 6,000 desks.

Asbury Park, N. J. The new high school has been fitted with the New Jersey School Furniture Co.'s adjustable desk, "Trenton."

Bristol, Pa. New Jersey School Furniture Co., awarded contract for assembly seating for 500 pupils.

Boston. The Chair read an order which had been passed by the city council requesting the school committee to consider the expediency of substituting adjustable desks and chairs for those now in use in the public schools. Referred.

Milford, Mass. Committee voted to buy 200 Chandler adjustable desks.

Kirkville, Mo. Contract for seating awarded to A. H. Andrews & Co.

L. H. Atcherson, the star witness in the Detroit boodle cases, is no longer connected with the Manitowoc Seating Co. He now represents Marshall School Furniture Co., of Northville, Mich.

Falconer, N. Y. Contract awarded to the U. S. School Furniture Co.

Detroit. The following firms were bidders: Globe Furniture Co., Cleveland School Furniture Co., United States School Furniture Co., Piqua School Furniture Co., Manitowoc Seating Co., Marshall School Furniture Works, Grand Rapids Seating Co., Favorite Desks & Seating Co., and the Haney School Furniture Co. The committee was so divided on the bids that they were sent on to the board without recommendation.

## NEW SCHOOL HOUSES.

In the following cities new school houses are now in the course of construction. A letter addressed to the "Secretary Board of Education" adding the city and state, will reach the proper person.

Colorado—Julesburg.  
Florida—Palmetto.  
Indiana—Ingalls.  
Iowa—Silver City, Waterloo, Holton, Arion.  
Massachusetts—Boston.  
Michigan—Bay City.  
Missouri—St. Joseph.  
New Hampshire—Concord.  
New Jersey—Woodcliff.  
Texas—Jonah.  
Wisconsin—Portage, Appleton.

## SCHOOL HOUSES CONTEMPLATED.

Arkansas—Little Rock.  
California—Santa Rosa, Oakland.  
Colorado—Denver.  
Connecticut—Waterbury.  
Delaware—Birmingham.  
Illinois—Canton, Sidney, Peoria, Fairbury, Streator, Chicago, Tuscola, Mendota.  
Indiana—Brazil, Vincennes, Pendleton.  
Iowa—Corwith, Keokuk, Monticello, Fort Madison, Belmond, Tamo, Hamlin, Ionia, Tabor, Hiteman, Klemmey, Milo.  
Kentucky—Ludlow.  
Maine—Duffield.  
Massachusetts—West Newton, Northampton, Haverhill, Holyoke, Lawrence.  
Michigan—Lawrence, Napoleon, Ironwood, Marquette.  
Minnesota—Fairmont, Duluth, Albert Lea, Morristown, Traverse, Grand Rapids, Minneapolis, Austin.  
Missouri—Nevada, Sedalia, Warrensburg, Evertson.  
Montana—Phillipsburg.  
Nebraska—Nebraska City.  
New Jersey—Elizabeth.  
New York—East Aurora, Elmira, Troy, Syracuse, Buffalo, New York, Utica, Hunter.  
Ohio—Cleveland, Wooster, Canton, Westerville, Kenton, Mansfield, Lisbon.  
Oregon—Scio.  
Pennsylvania—Philadelphia, Beaver Falls, Burgettstown, Rhode Island—Providence, Pawtucket, Westerly, Bristol.  
South Dakota—Garretson.  
Texas—Mount Pleasant.  
Utah—Mt. Pleasant.  
Virginia—Richmond.  
Washington—Cheney.  
Wisconsin—Milwaukee, Sheboygan, Montford, West Bend, La Crosse, Merrill.

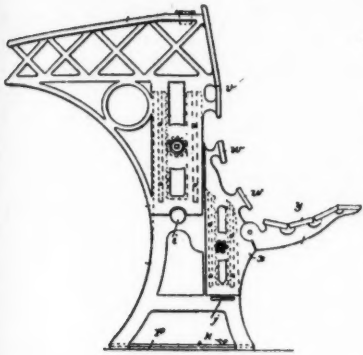


### NEW INVENTIONS.

The last month's inventions in school furniture and equipment are as follows:

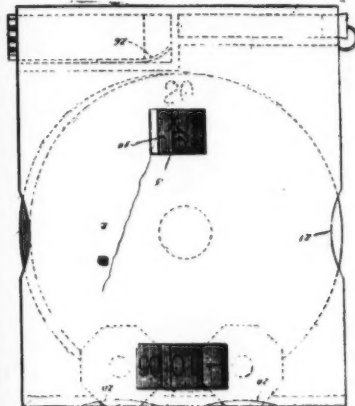
ADJUSTABLE SCHOOL DESK. Warren L. Starkey, Paterson, N. J.

In an adjustable desk, the combination with the legs or standards each being provided with two vertical open ended slots and with a centrally arranged vertical open ended slot having one of its sides provided with a rack-bar, of the desk proper, arms depending vertically from the desk and arranged outside of



the legs or standards, a series of headed pins projecting inward from said arms and adapted to slide in the open ended slots of the legs, a hollow shaft journaled in said arms, a pinion secured at each end of the shaft and adapted to engage the rack bar, a ratchet fixed on said shaft, a pawl engaging said ratchet and pivotally secured to the depending arm of the desk, said pawl being provided with a projection, and a series of two pins secured to the legs or standards in the path of the ratchet and adapted to operate the pawl when the desk is raised or lowered to its highest or lowest position respectively.

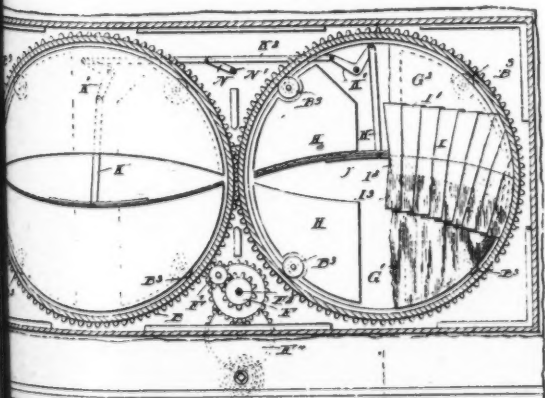
BLACKBOARD. Thomas Hooley, Davenport, Iowa.



A casing having an opening, in combination with a main disk rotatably mounted, and adapted to have its surface exposed by through the opening, and opposite auxiliary disks arranged

for rotation between, the main disk and board, and spaced apart, and adapted to have their surface exposed through said opening at the opposite sides thereof. The combination with the board 1, having the opening 6, of a pair disks 8 and 14 rotatably arranged in rear of the opening, the front disk 8 having a slot 12 of less width than the opening in the board and adapted to expose the surface of the disk 14 through the same.

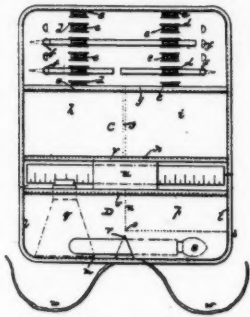
MAP. Miguel Arriaga, Mexico, Mexico, assigner to the Compania Mexicana de Mapas Horarios Sociedad Anonima.



A map comprising two revoluble transparent disks, representing hemispheres, a fixed shaded board below the said disk, a movable band repre-

sented twilight, below the said revoluble disks and over the said fixed boards, and means, substantially as described, for imparting motion to the said band in opposite directions.

SCHOLAR'S COMPANION. Abbie E. Greves, Brooklyn, N. Y.



one of which is adapted to receive a pen wiper and rubber, and the other sponge, D, forming separate pockets for pens and an ink bottle, the pocket s, for the reception of a knife, the strip u, secured to the edges of the strips C and D, through which passes a ruler and the pocket x, arranged on the outside or back of the companion, the whole combined.

A scholar's companion formed of water proof material and having on its inner face a series of openings through which pass strips of elastic material, to receive pencils the ends of which enter openings formed in said inner face, the strip C, having opposite pockets

### FINANCE AND BUILDING.

The School Board of New York has adopted plans for a school building to be erected in the tenement district which will be a decided novelty, as it is to be provided with twenty shower baths in the basement for the free use of the children, and a playground on the roof with an area of 10,000 square feet. Playgrounds being out of the question in New York, the roof gardens should make a first rate substitute.

Fairburg, Ill. Issued bonds \$15,000 at 5 per cent. Taxes fixed as follows: Spickard, Mo., 9 mills; Cuero, Tex., 30 mills; Connet, Mo., 3½ mills; Dawn, Mo., 6 mills; Keokuk, Ia., 11½ mills; Montgomery, Mo., 6½ mills; St. Louis, Mo., 4 mills;

The Town of Eastman are offering \$10,000, thirty year bonds in denominations of \$100 each, interest payable annually, for the purpose of building a new high school and academy building. The issue is authorized by the legislature, and all the property of the town is pledged for their redemption and payment.

Eau Claire, Wis. Board will not appoint a superintendent of construction for new school. The matter will be entrusted to Van Ryn & Lesser, the school house architects, of Milwaukee, in whom they have full confidence.

St. Joseph, Mo. The schools will have to close for want of funds.

Keokuk, Ia. New high school will be equipped with fire escapes.

Warren, Minn. A resolution was adopted at the school meeting to employ home labor and home material as far as possible in building the new school house.

The School Boards in the following cities have issued bonds:—Decatur, Ill., 55,000 at 4 per cent; Albert Lea, Minn., \$15,000 at 5 per cent; Portage, Wis., \$35,000 at 5 per cent; St. Louis, \$975,000 at 3-65 per cent, payable in gold.

Tiffin, O. Treasurer of board was required to furnish bond \$4,000; Findlay, O. \$50,000.

Middleton, N. Y. Schools will be provided with fire escapes.

Rochester, N. Y. Labor unions protest against board's failure to include clause in school house contract as to hours of labor.

Grand Forks, N. D. The average cost per month for each student was only \$2.54, and for the year only 24.13. In comparison with this city's report the report of the Boston schools shows the average cost per year for each pupil was \$28.14, while that for Chicago was \$37.22, which makes Grand Forks schools 17 per cent. cheaper than those of Boston and 54 per cent. less than Chicago.

Iowa. State Supt. Sabin urges cyclone cellars as a protection during tornadoes.

Lincoln, Nebr. Board will have policemen to collect fines, dues and licenses to go in school fund.

Portage, Wis. A deficiency of \$29,000 in school fund has been discovered.

Topeka, Kans. Ex-School treasurer, district 53, Shawnee Co., is short \$3,000.

Galveston, Tex. A deficiency of \$13,000 exists in the school treasury.

### HEATING AND VENTILATION.

Among the schools recently contracted for to be equipped with the Johnson System of Heat Regulation are the following: Wadleigh school, Winchester, Mass.; Perkins school, Brocton, Mass.; New high school, Brookline, Mass.; the Austin, Eustis, Canterbury, Moulton, Third, Richmond, and Morton schools, all of Boston; and Washington school, Colorado Springs, Col.

Fort Madison, Ia. The contract for heating and ventilating the new high school building has been awarded to the Anthes Bros. Plumbing Co.

Verona, N. Y. The board of education awarded the contract for heating and ventilating to Kernan Furnace Co., of Utica, New York.

The Carlton Furnace Co., secured the contract for heating and ventilating the new school house at Utica, New York.

Beaver, Pa. The bidders were Fuller & Warren, Smead-Wills & Co., Peck-Williamson & Co. The Smead system was adopted.

Tyrone, Pa. Contract awarded to Smead-Wills Company.

Matawan, N. J. Board decided not to put the J. L. Matt Co. System in new school after examining the same now in another school.

Holyoke, Mass. Two contracts were awarded to the Fuller & Warren Co.

Lock Haven, Pa. Contract awarded to Smead-Wills & Co. They were represented by Mr. Loveland. Peck-Williamson by Mr. Krause.

St. Louis. The Huyett & Smith system will go into the largest number of the new school buildings to be erected. This is a splendid indorsement of a good system.

Covington, Ky. The bidders were H. Sandmeyer & Co. Southern Smead Heating & Ventilating Co. and Peck-Williamson & Co.

New Brunswick, N. J. Board refused to pay balance of heating contract to Hopson & Chopin as the firm had not lived up to contract.

Portage, Wis. Contract awarded for Smead system. Peter Bogard, agent.

York City, Pa. Contract goes to J. F. Pease, another to Smead-Wills Co.

The Smith Heating & Ventilating Co., of Boston has voted to change its name to the Massachusetts Heating and Ventilating Co.

### SCHOOL BOARD NOTES.

Eastman, Ga. A school board has been created consisting of John F. De Lacy, President; S. M. Peacock, Secretary and Treasurer; W. W. Ashburn, Mather Wynne and Sol. Herman. Bonds will be issued and a \$10,000 school will be constructed.

Washington, D. C. Here is a drive at nepotism. The following resolution was introduced: "That, except in the case of Normal school graduates and holders of certificates, no appointment of any person related by either consanguinity or affinity to any official connected in any capacity with the public schools shall be valid, unless the fact of such relationship is stated to the board by trustees at the time the nomination of such persons is submitted to it for action." Laid over.

### TEXT BOOK ADOPTIONS.

Camden, N. J. The board of education adopted Beitzell's Spellers, published by Christopher Sower Co., of Philadelphia, Pa.





## IN A TIGHT CORNER.

An old school book agent, a native of Kentucky, who did work in Missouri immediately after the war received word one day from his house that he must immediately visit a small town in a distant part of the country. A certain schoolmar'm who was running the town in an educational way had written for some sample books and talked about changes. Col. Hawkins, the book agent—whose name, by the way was not Hawkins, but we will call him that to cover his identity—immediately left for the town designated. He met the teacher at the school house just as she was about to leave. He introduced himself and found that she had insisted with the school board on an entire change of text-



"My dear man, you must sign the pledge."

books. As Hawkins had no books in the town he at once expressed willingness to supply everything. Things seemed to go smoothly until the schoolmar'm confronted him with a question:

"Do you drink?"

Col. Hawkins, who for the moment believed that he was about to be invited to refreshments, said cheerfully:

"Well, er—I don't care if I do," clearing his throat as he spoke.

"Don't care," she demanded, "I am shocked—"

"That is, I mean I don't care to—exactly—I don't want to drink—that's it," he stammered in a confused manner.

"Look a here, Col. Hawkins," said the schoolmar'm "If you are a drinking man, your books don't go here."

"But who said I was?"

"Never mind. My dear man, you must sign the pledge."

"But I came to talk books" protested Hawkins. He had never encountered such an unpleasant situation in his life and was extremely worried. The school teacher remained firm. He was the leading light of a local temperance organization. Her word was law with the board. He saw the situation and, martyr-like, submitted.

"I will sign cheerfully" said he in a dejected manner. "I never drink anyhow. Why should I not encourage your humane and Christian spirit?"

"How good of you!" exclaimed she, "I knew you was a kind old soul. The name of Col. Hawkins will appear among the List of the Emancipated which I will mail to all the school boards of the state."

"But, madam," he cried, "do you want to ruin me?"

"No, indeed, that will not ruin you," said the kind schoolmar'm soothingly. "It will elevate your standing everywhere."

"Yes, I suppose," he replied in the most abject manner. "But what about the books?"

"They will be adopted next year," she said sweetly. This was too much for the old colonel. He began to argue and to plead. The subject of temperance was now disposed of and he could talk books, and he did.

Col. Hawkins finally secured their adoption but he had to stand a great deal from the other book men who became aware of his rash deed. Some of

the school board men throughout the state who found his name upon a certain "List of the Emancipated" never really forgave him.

## COEUR DE LION.

In alien times the laurel leaf crowned hero,  
Him who with knotted thews or coat of mail  
Threw quoit or discus far, or overcame his foe  
By force on bloody field,

To-day, no palm nor bay endows the brow  
Of him who stands the bravest of the brave;  
But all our soul instinctive homage pays  
To one that meets the frowns of fate with smile  
for frown,

And in his own-abiding strength rises,  
Like Caesar bold, superior to distress.

So, when I see thy genial smile,  
That kindly beams from lip made pale by pain,  
Sweet friend, I love thee, and in my heart  
Thou art a hero crowned—thrice nobler  
Than puissant knight of old.

VAN BIBBER.

## AMONG AGENTS AND PUBLISHERS.

B. F. Clark, who has for some years been the Chicago manager of the E. O. Fisk Teachers' Agency, has severed his connection with that firm and purchased an interest in the Albert Teachers' Agency. The new firm will be known as Albert & Clark. Among the teachers and school boards of the West Mr. Clark is well and favorably known. His dealings have always been honorable and satisfactory.

G. K. Lyon, of Toledo, is doing work for the American Book Co. in Ohio.

John Kidd has been appointed to represent Wm. Evarts Benjamin, the publisher in the Northwest. P. J. Burke, of the Eagle Pencil Co., made a tour of the Northwest last month.

If Wm. Clendennin, of Ginn & Co., were to make his appearance in Japan to-day he would meet with royal reception. Prince Katamatsu, who is now taking an important part in the affairs of Japan, was Clendennin's college chum at Yale. They roomed together and the royal Jap took a great fancy to the future school-book man.

Among the book men who attended the School Board convention held at Joliet, Ill., were Wm. S. Mack, Prang Educational Co.; Mr. Lively, Werner Co.; B. S. Lobdell, Maynard, Merrill & Co.; A. K. Carmichael, American Book Co.; Mr. McCullough, Silver, Burdett & Co.; Mr. Ducker, Leach, Shewell & Sanborn; Mr. Vose, D. C. Heath & Co.; Geo. H. Royce, Thompson, Brown & Co.; F. M. Kendall, Allyn & Bacon.

O. P. Barnes, of Leavenworth, Kan., agent for Ginn & Co., is the chairman of the Executive Committee of the Northeast Kansas Teachers' Association.

T. W. Gilson, western manager of Ginn & Co., Chicago, was at one time connected with J. B.

Lippincott & Co., Philadelphia. He is an experienced book man, combining energy with good judgment and excellent tact. He may be found at all hours, seated at his desk in a little office off the large book-laden space, examining letters and telegrams, dictating or giving directions to his assistants, or chatting with school people who drop in. His manner is refined, and



Manager Gilson at his desk.

in conversation he is entertaining and bright, and yet withal one is impressed with his modest demeanor.



## AN UNSELFISH PUBLISHER.

High School Student:—What books would you advise me to read?

Publisher:—Cook books, my child, cook books.

Mr. Moyer, manager of the Western School Supply Co., Des Moines, Ia., was East last month. While he is an old school teacher he is nevertheless a bright, active young man who has shown a splendid adaptation for business.

John A. Boyle, manager of the Boston School Supply Co., was in the West last month, the first time in many years. From a Boston standpoint, he says, the West is quite "roomy."

Among the agents attending the Superintendents meeting Lansing, Mich., were F. W. Arbury, W. A. Hobson, Silver, Burdett & Co.; Cyrus Smith, Jonathan Piper, W. S. White, Mr. Burr, American Book Co.; Maj. A. J. Cheney, Mr. Maddock, G. & C. Merriam & Co.; C. N. Kendall, D. C. Heath & Co.; C. C. Burchard, W. T. Wilcoxon, Ginn & Co.; Hugh Brown, Allyn & Bacon; H. H. Foresman, Albert, Scott & Co.

Among the agents who are now in the Vermont book contest are the following: W. E. King, Ginn & Co.; A. C. Gibson, Maynard, Merrill & Co.; Wm. G. Folsom, E. H. Butler & Co.; Chas. A. Clark, Sheldon & Co.; Raymond D. Hazen, Werner & Co.; Geo. H. Royce, Frank Smith, Thompson, Brown & Co.; Frank Holman, American Book Co.; J. S. Cooley, Silver, Burdett & Co.

## THE OTHER SIDE.

An earnest old Pedagogue wanted to know  
All about the new methods and rules  
Of the new education he'd heard of, and so

He determined to visit those schools  
Where such things are "au fait," and specially taught  
And new doctrines and fads were the rule,  
And thus wisely determine whether he ought  
Inaugurate them in his school.

So the JOURNAL he scanned and its columns looked over  
And selected a few of the best;  
With his grip tightly packed and ten dollars or more  
He started at once on his quest.  
The first place he stopped at, was a structure ornate—  
Built after the most complete plan—  
With all the appointments brought down to date  
And approved by every school man.

He entered the hall and stood in amaze  
As the babel of sounds struck his ears;  
Such as Mother Goose rhymes, chimes, jingles and lays  
And laughing, loud talking and cheers.  
His wonder increased as he opened the door,  
At the sight that greeted his eyes;  
There were tots of all ages, from eight down to four  
And just as much difference in size.

They were playing at games and making mud pies,  
Cutting up colored paper and sticks.  
When the teacher observing his look of surprise  
Said, "Are you not up to these tricks?"  
Why, these dear little buds, as you see, are taught here  
To unfold in a natural way.  
See how happy they are—with never a tear,  
Tho they learn while they think they're at play



"Oh, I understand now, though at first 'twas my thought,  
As I am a family man,  
That this was the place where babies were brought  
To be cared for, on the nursery plan"—  
And feeling relieved he turned up the stairs,  
Where he was sure he had made a mistake,  
For a savory smell impregnated the air,  
As of hot bread, pies, waffles, or cake.

His amazement increased as he entered the room,  
And saw the pots, kettles, and pans,  
With a bevy of girls all dressed in costume,  
And flour bedecked hair, nose, and hands;  
Some were weighing and sifting, and some mixing dough,  
Some cutting plums, apples, and pears;  
There were pies, cakes, and puddings, some in a row  
And some placed on tables and chairs.

Again he essayed to express his surprise,  
When the teacher gave him an arch look,  
With a shrug of her shoulders and wink of her eyes  
Said, "We're teaching them here how to cook,"  
For it's very important that they should all know  
That the nearest way to a man's heart  
Is right down his throat—hence we teach them here, so  
That they become versed in this art."

He silently bowed and turned on his heel,  
When the noise of plane, hammer and saw  
Arrested his steps, and caused him to feel  
There was yet to be seen something more.  
He ascended the stair, almost to the top,  
At the sight, his eyes opened wide,  
For he saw not only a carpenter's shop,  
But a mason's and plumber's beside.

He enquired of the "boss" if it was the rule  
Among mechanics and men of their kind,  
To hire shop room in the loft of a school,  
And what advantage in this they might find.  
But he found *this* mistake the worst he had made,  
For the "boss," with a dignified mien,  
Looked at him with scorn and reproachfully said,  
"Do you ridicule this, that you've seen?"

Why, this carpenter's shop I desire to tell,  
Is part of our system so grand.  
Even if these young students can't read, write, or spell,  
They turn out the best work in the land."  
Said this earnest old pedagogue. "From a distance I've  
come

This new system you speak of to see,  
That I might wisely decide if there may not be some  
Of its teachings, of value to me.

But I feel so unsettled, so addled my brain;  
To be honest, straightforward and true,  
I'm not sure I'm repaid for all of the pains  
I've taken to learn something new.

But stop, I'm too fast, for I've learned this to know  
Let me tell you and then I have done.  
No matter what's started, or who says it's so,  
There's nothing new under the sun.

When I was a child a nurse cared for me,  
And I played with nails, hammer, and saw,  
While my sisters baked cakes and we all played at tea,  
Made mud pies and cut papers galore.

A. C. RANK.

"Well, I did think you had more education than  
that," said Prof. Johnsing airily to the grocer.  
"No-t-i-c" doesn't spell 'notice.' It comes nearer  
spelling 'no tick' than anything else."

"Yes," said the grocer, "that is what it means."  
Prof. Johnsing concluded that he could get  
along that evening without any appricots.



Parent: (examining boy's report) Geography—  
poor. And yet you always talk about wanting to  
become a bank cashier.

#### They Found Out.

Johnnie:—Do you hear that noise? That's our  
teacher.

Tommy:—Why does she scream so loud?

Johnnie:—She's only practicing. The school board



will introduce music in the schools, and she's getting  
ready for it.

#### A Mistake.

Prof. Snore, of the University of Texas, is very  
absent-minded. Holding up a garment he said to  
his colored servant:

"Sam, these drawers are too small at the lower  
and too wide at the upper end."

"Bress de lord, professor, dem ain't no drawers:  
dem's yer undershirt."—Tammany Times.

#### Making the Best of It.

Reporter:—Really, we have said so much about  
the rottenness of the city council that I hate to write  
any more about it.

City Editor: Well, then, use the space in roasting  
that confounded school board.

#### FRENCH, SPANISH AND GERMAN HUMOR.

Con el Barbero.—Cliente (después de afeitado):  
"Demonio, me ha hecho Vd. un tajo bárbaro."

Figaro: "Si, señor. Vd. dispense."

Cliente: "Cuanto le debo?"

Figaro: "Afeitar 30 centavos, tiro emplástica 10  
centavos; total 40 centavos."—Mons Calpe.

EUPHEMISME MATERNEL. — "Oui, monsieur l'ex-  
aminateur, mon fils doit prochainement subir  
l'examen du baccalauréat, mais je dois vous dire  
qu'il est atteint d'une sorte d'infirmité d'une timi-  
dé exceptionnelle; il sait très bien tout ce qu'on  
lui demandera mais il est si timide que-et alors—"

L'examinateur avec un sourire qui révèle autant  
de bonté que d'expérience: "Et en quoi est-il parti-  
culièrement timide?"

La maman, vivement: "En grec, monsieur!"—Le  
Gaulois.

MUY OFENDIDO.—Contratista: "Ofreció Vd. al  
Consejal los diez mil pesos como le encargué?"

Secretario: "Si, señor."

"Que cara puso?"

"Cara de muy ofendido."

"Y que dijo?"

"Dijo que debiera estar en la calle."

"Y que hizo?"

"Se los metió al bolsillo."—El Noticiero Bilbaino.

Ein Lehrer läßt in der Schule das Gedicht "Ritter  
Toggenburg" lesen. Bei der Stelle:

Und ein Jahr hat er's getragen,

Trägt's nicht länger mehr—

fragt er den kleinen Moritz: "Was meint der Dichter  
damit?" Moritz:—"E Gemb!"

Ein Lehrer hatte hundert Knaben in seiner Klasse.  
"Ich wundere mich" (äußerte jemand), "wie Sie ohne  
Hilfslehrer mit den hundert Bengeln fertig werden."  
"O, erwiderte der Geplagte, "mit den hundert Jungen  
geht es ganz gut; aber die zwei hundert Alten, die dazu  
gehören, die machen mir das Leben sauer."

#### Looks Like One.

An amusing story comes from Council Bluffs,  
Iowa. Some time ago the school board passed a  
resolution that principals were not to entertain  
book agents or canvassers. Miss Simons, principal  
of the Cass School, provided herself with a copy of  
the resolutions against future emergency.

Not long after she was in one of the school rooms  
of the building and happening to look out through  
the glass door with which the new building was  
provided, saw what she supposed to be a book  
agent. She armed herself with the resolutions  
and accosted him in the hall.

He remonstrated but she told him she could not  
entertain him, as he could see it was directly in op-  
position to the will of the board. The man was a  
mild mannered man, and when she had finished told  
her that he was not a canvasser, but a member of the  
school board. The end of the story is well  
imagined.

First Student: "How did it happen that you  
failed again?"

Second Student: "Why, that—that wretched  
examiner asked me the same questions that I could  
not answer last year."



Preparation for Commencement Exercises.

One of the candidates at the recent London  
school board election had occasion, in the course  
of a speech, to refer to the flogging of children.  
Some folks, nowadays, he said, objected to beating  
of youngsters at all, but he agreed with the truth  
conveyed in that saying of the wise man, "Spare  
the rod and spoil the child."

"I suppose I was no worse than other boys", he  
went on to say, "but I know I had some flogging  
myself, and I believe it did me good. Now, on one  
occasion I was flogged for telling the truth."

"I cured you, sir!" said a voice from the back.



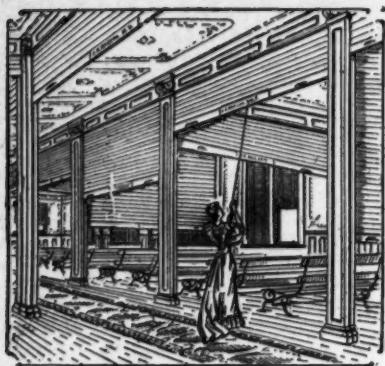
The Sense of Smell.

Professor: (Returning from school)—Ah, my  
sense of smell tells me that we shall have a turkey  
roast for dinner.

Servant:—No, professor, I just curled my bangs  
with a hot poker.



# WILSON'S ROLLING PARTITIONS.



ROLLING PARTITION

For dividing Class Rooms.

**SOUND PROOF  
AIR TIGHT.**

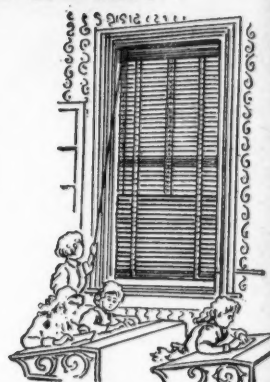
In Various Woods.

**Made also with  
BLACKBOARD  
SURFACE.**

These partitions are a marvelous convenience, easily operated, very durable, and do not get out of order.



WITH BLACKBOARD SURFACE.



VENETIAN BLINDS

In Various Kinds of Wood

ALSO WOOD BLOCK FLOORS.

THE STANDARD FLOOR FOR SCHOOLS THROUGHOUT EUROPE

Composed of Wood Blocks, cemented and keyed to concrete foundation, forming a solid and immovable structure, through which no dampness or foul air can penetrate and no disease germs or filth can be secreted. Fire-resisting, noiseless and warm to the feet. Can be laid in a variety of patterns in different kinds of wood. Very handsome in appearance and everlasting.

**JAS. GODFREY WILSON, Patentee and Manufacturer, 74 West 23d St., New York.**

## SALARIES FIXED.

Manchester, N. H. It has been discovered that the increase in teachers' salaries is illegal.

Indianapolis. The teachers refused to march on Decoration day.

Des Moines. The board ruled that no teacher shall resign within the year for which they were elected for the purpose of marriage.

Abilene, Kas. Board will make a cut all along of \$5 per month.

San Francisco. The committee fixed the maximum of fifth, sixth and seventh grade teachers' salaries at \$79 per month instead of \$76, as formerly. The pay of the regular teachers of primary school classes will be as follows: First year, \$50 per month, second year, \$52.50, third year \$55, fourth year \$57.50, fifth year \$60, sixth year \$62.50, seventh year \$65, eighth year \$67.50, ninth year \$70, tenth year \$73, eleventh year \$76. The maximum salaries for teachers who are holders of primary grade certificates was fixed at \$68 per month instead of \$67.50 as previously. Probationary teachers will receive \$45 per month for the first year and \$47.50 per month for the second, instead of \$40 and \$45 as formerly. The salaries of the teachers of Spanish at the Polytechnic high school and the teacher of French and English rhetoric in the girls' high school were fixed at \$100 a month.

Sarnia, Ont. Salaries for supply teachers adopted: In lowest rooms, \$1.25 per day; next grade, \$1.50; junior division, fourth book, \$1.75 per day.

Youngstown, O. Board has increased teachers salaries.

Chicago. The school management committee of the board of education will recommend at the next meeting of the board that hereafter teachers who are absent from duty on account of illness in the family will be required to lose only as much of their salary as is needed to pay the salary of the substitute put in their place.

Canton, S. D. School board fixed the salaries of primary teachers, not to exceed \$50 per month. Intermediate teachers, not to exceed \$40 per month. Principal, not to exceed \$80 per month.

New York. Mandel Brothers, teachers, are charged with impersonating an applicant at a civil service examination.

The affairs at Drury high school at North Adams, Mass., are assuming a decidedly unpleasant state. The school committee has refused repeatedly to answer any questions concerning its action in discharging the principal, Charles Spaulding. The high school pupils, who number nearly 150, have adopted the colors of black and white and have draped the school room in mourning. A petition is being circulated among the business men of the town, asking that the school committee give their reasons for dealing with the public school affairs in the manner they have, and show why any move of theirs should be kept a secret. The boys parade through the street in broad daylight shouting loudly for their dethroned champion. A banquet was given to Mr. Spaulding and invitations have been accepted by a large number of prominent citizens.

Burlington, Ia. In a fit of temporary economy, board reduced the salary list of teachers to the amount of \$2,000 annually. The salaries paid now are as follows: Superintendent, \$1,900; principal of high school, \$1,400; teacher of science, \$1,045; assistant, \$475; teacher of mathematics, \$950; teacher of Civics and Latin, \$950; teacher of English \$750; teacher of German, \$700; assistant in Latin, \$650; assistant in English, \$500; principals of North Oak, North Hill, South Hill, South Boundary, West Hill and West Madison, each \$1,10; principals of Saunderson and Prospect Hill, each \$1,000; principals of Germania, Hibernia, and Sunnyside, \$800; Grammar school teachers in service over five years, salaries unchanged; for the fifth year, \$475; for the fourth, \$446; for the third, \$415; for the second, \$407; for the first, \$285; salaries of special teachers remain the same; teacher pedagogies, \$760.

The school board of Spokane, Wash., has reduced salaries all around, making a saving of \$752 per month. The basis governing the grade schools is: A maximum of \$60 and a minimum of \$45. Teachers to be advanced \$5 for the additional year experience if retained, and reduced \$10 from the latter salary, within the maximum and minimum limit.

## SPECIAL STUDIES.

The Brooklyn, N. Y., board of education proposes to cut off a number of the more or less fancy studies which have been creeping into the curriculum of the public schools of that city, and have more attention paid to reading, writing, spelling and arithmetic.

Houghton, Mich. At a big public meeting a citizens' committee was chosen to secure the removal of the entire school board. Richard M. Hoar, president of the village, is chairman, and equally prominent citizens are members. The committee secured attorneys, and will make a red hot fight until the old board is out and entirely new school officials are secured.

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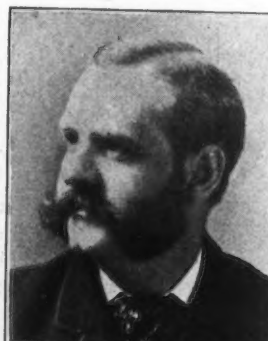
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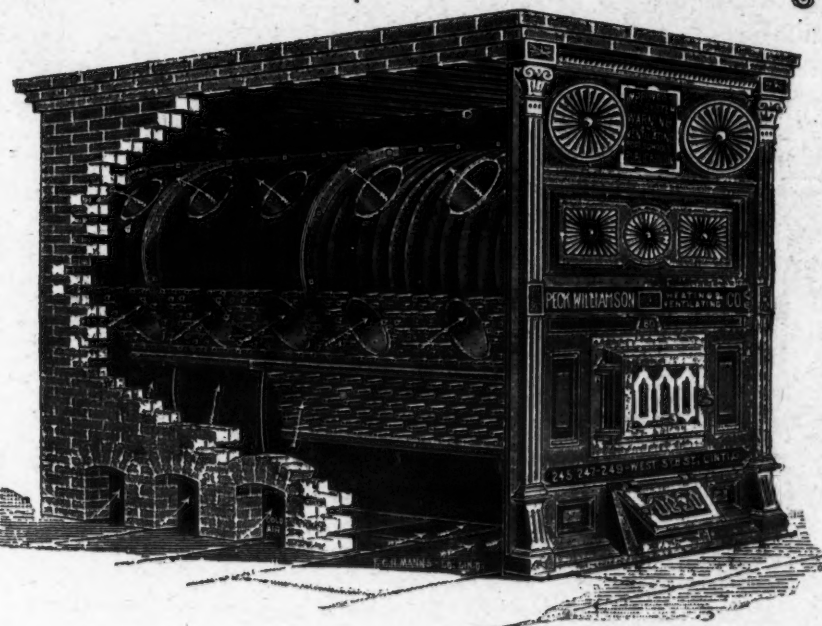


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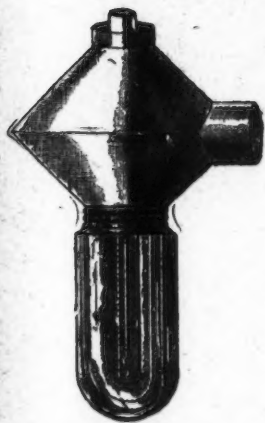
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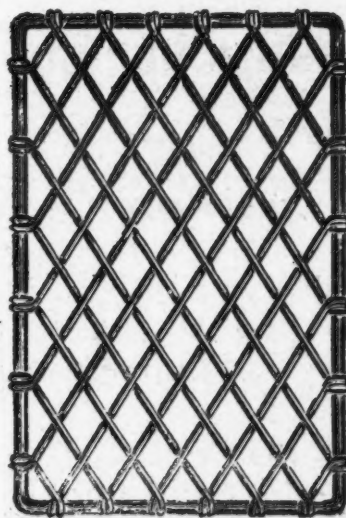
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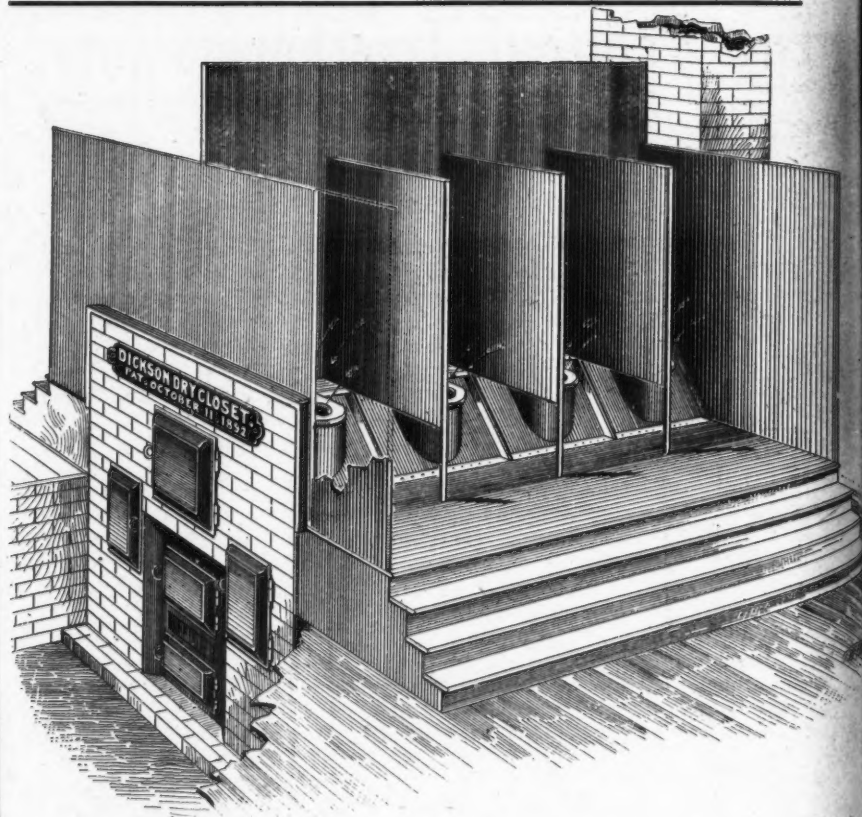
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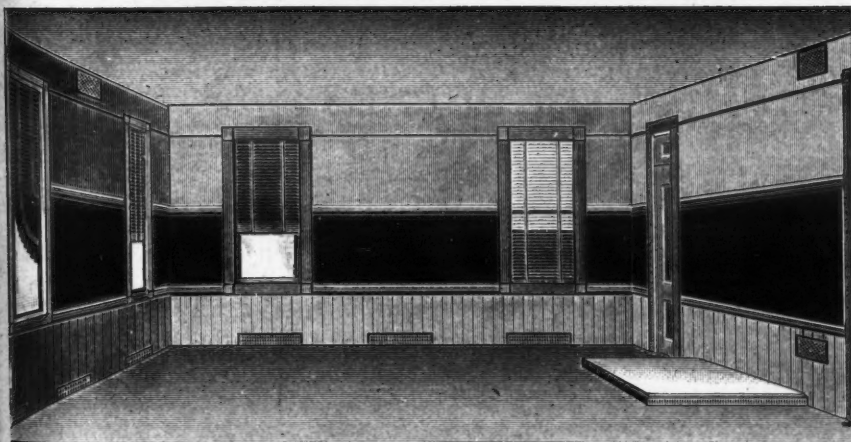
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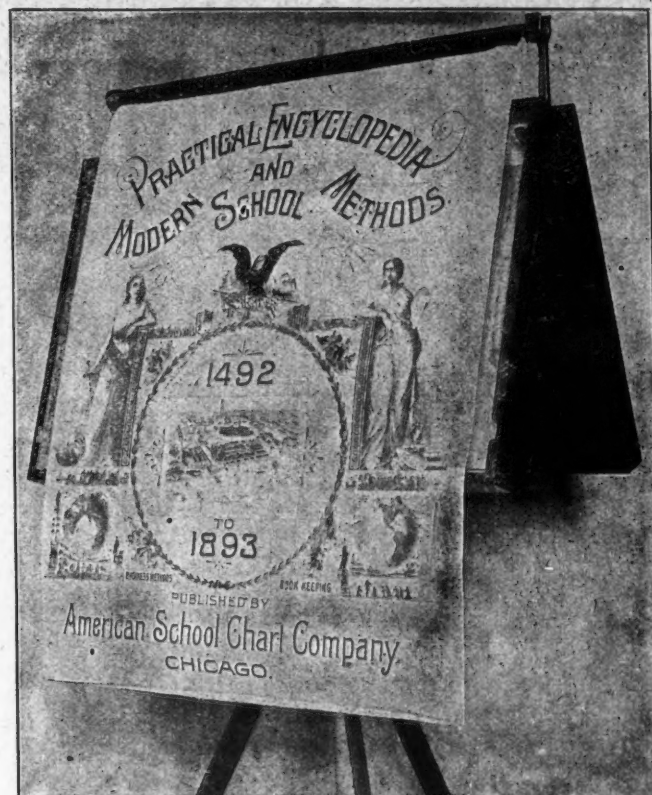
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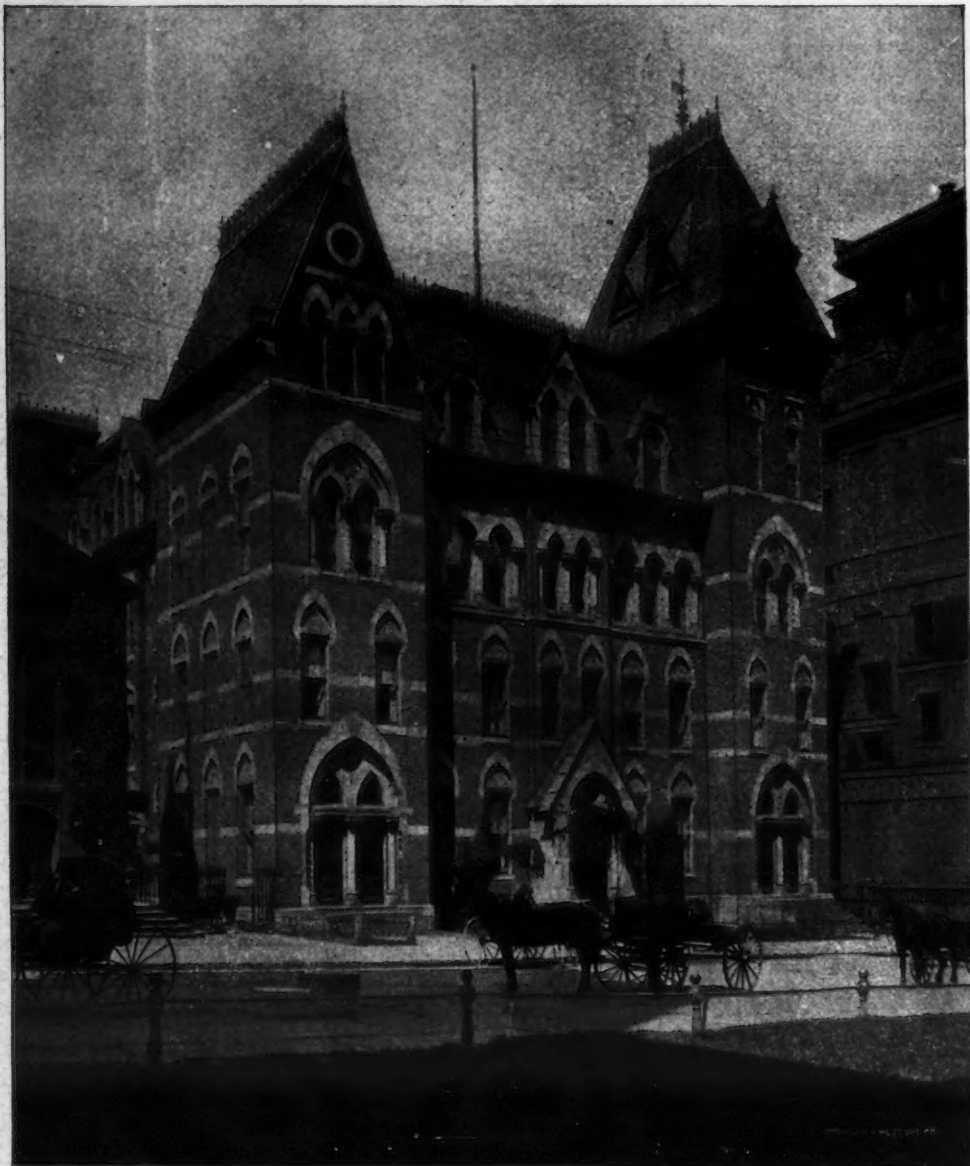
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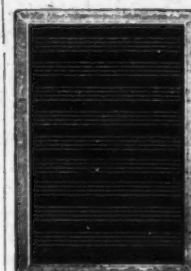
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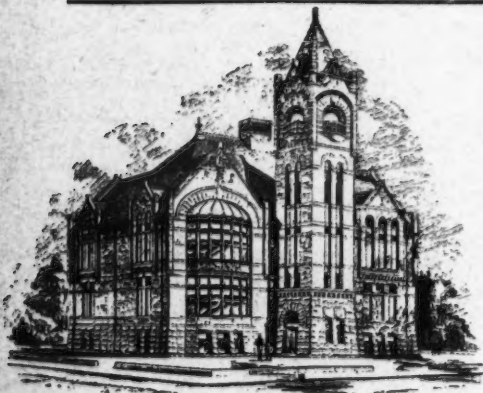


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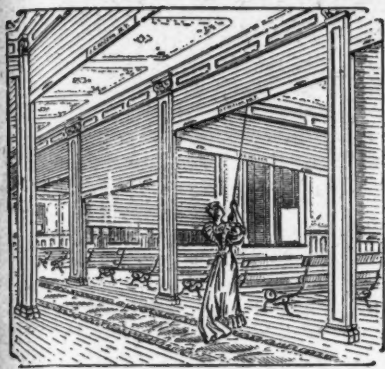
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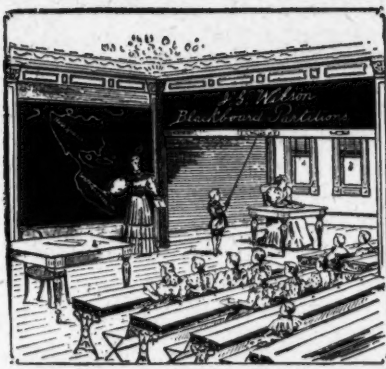
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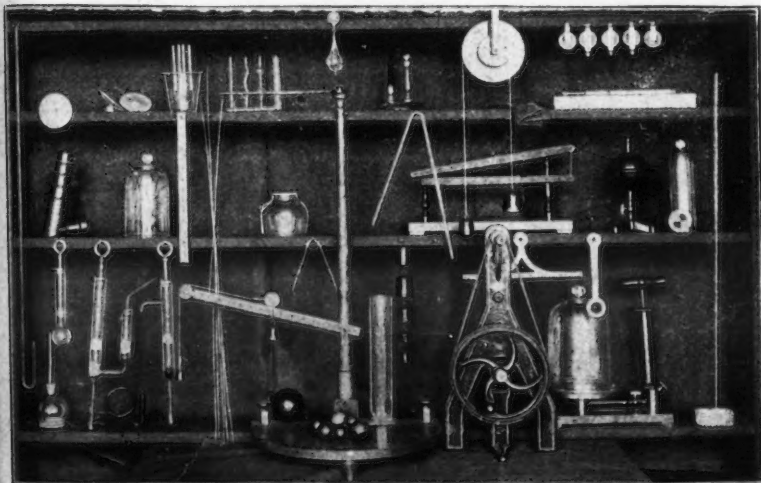
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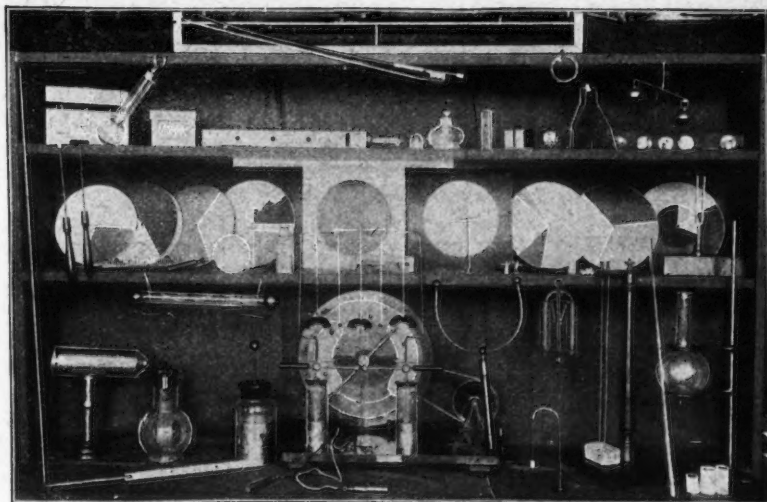
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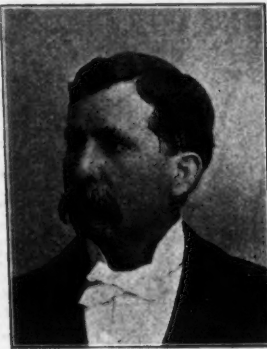
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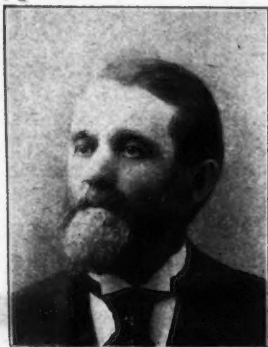
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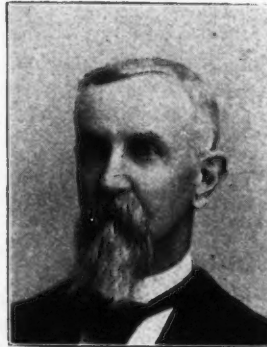
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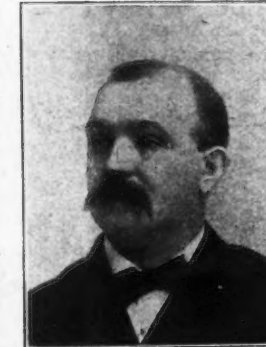
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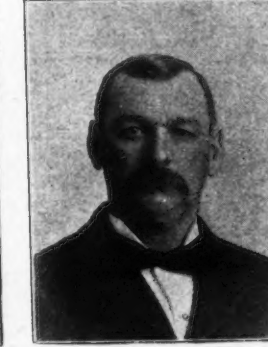
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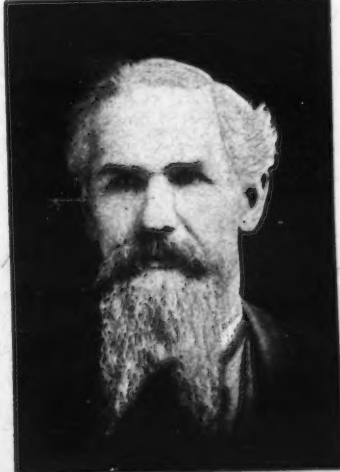
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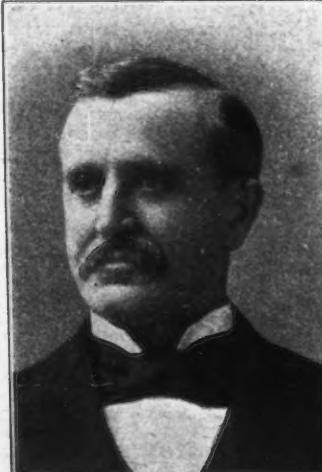
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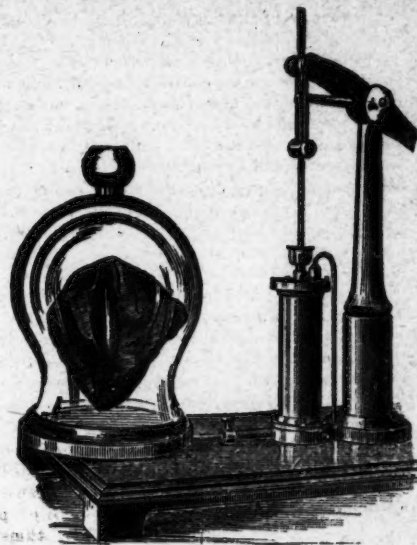
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## BOOK REVIEWS.

AN ELEMENTARY MANUAL OF CHEMISTRY. By Professors F. H. Storer and W. B. Lindsay. American Book Company. Price \$1.25; pp. 453.

Elliot and Storer's manual of inorganic chemistry was first published in 1868, abridged and adapted to more general use in 1872. In 1877 and again in 1880 the work was revised. The authors of this revision are eminent and acknowledged authorities, and their work represents the latest phases and discoveries in chemical science. The plan of the book is to teach the subject by experiments in the laboratory, and directions are clearly given and made plain by numerous illustrations. Empirical, rational and structural formulas are employed to indicate compounds and reactions. It is interesting to notice the predictions that have been made in the application of the Periodic Law, and verified by later discoveries. The whole subject is made as simple as possible. The authors have refrained from advancing theories, confining their statements to well established principles. They have made a standard text book, but do not claim that it is anything more than elementary. W. H. B.

THE RELIGION OF THE FUTURE, OR OUTLINES OF SPIRITUAL PHILOSOPHY. By Rev. Samuel Well. Boston: Arena Publishing Company.

The religion of the future, according to this author, will be what may be termed a refined spiritualism. He quotes freely and admiringly from the great apostle of spiritualism, A. J. Davis, but enlarges upon the dicta of that "seer," holding that he has, in some directions, fallen short of the truth or failed to comprehend it in its fullness. The author is a firm believer in the "immortality of man," claiming that "it is no more a doctrine, a hope, a belief, but a demonstrated fact, proved by incontrovertible evidence, even the evidence of the senses." He also holds the doctrine of pre-existence, and that incarnation and re-incarnation may proceed indefinitely, the latter as a means of discipline. Temptation is from within and there is no personal tempter from without—no place of future punishment.

Lack of space forbids more than this brief indication of the author's teachings. His style is clearer, and much more scholarly than that of the majority of authors of his class, and the reading of the book is not such a labor as is involved in that of most of those which profess to unfold and make real the things of the unseen world. L. A. P.

FABLES AND RHYMES FOR BEGINNERS. By J. G. and T. E. Thompson. Ginn &amp; Co.

A little book of about 100 pages, placing before children at the very beginning something worth reading in a form simple enough for them to read. Some 40 words are to be learned before reading the first fable. Additional words are to be given on the blackboard before each succeeding lesson. Spelling by sound, and word-building are a part of the plan of the book. W. H. B.

L'ABBE CONSTANTIN, par Ludovic Halévy, Edited by Thomas Lodge, Ph. D. D. C. Heath &amp; Co.

A better book, in better French, could hardly have been given a place in the "Modern Language Series" of this firm. The local coloring, the military and personal ideals of Jean, the devotion of the aged curé to his parishioners and to the decayed fortunes of the great family of the neighborhood, have an old-fashioned flavor. The frank, engaging, cosmopolitan Americans form a marked contrast to the other characters and give broader limits to what would otherwise be merely a pleasing picture of provincial life. The style, however, is the great charm of this little book. It is simple, conversational, always elegant. The author of the personal sketch says with great truth: "Halévy writes charmingly, without appearing to make any effort to do so. He writes apparently with the same ease as if he were conversing. This is, of all styles, one of the most difficult." If students of French would commit to memory many of the descriptive and conversational passages, this standard of a fine use of idiomatic French would become higher and more sharply defined.

The introduction tells what all would wish to know of the author of L'Abbe Constantin; the notes give discriminating

explanations and renderings of unusual and idiomatic expressions. C. H. L.

A LABORATORY MANUAL OF ELEMENTARY BIOLOGY. By Emanuel R. Boyer, A. B. D. C. Heath &amp; Co. Price 80 cts.

This book is the outgrowth of the author's experience as an instructor and as a lecturer in the university extension course. It is an effort to place the subjects of elementary zoology and botany upon a strictly laboratory basis in preparatory and high schools, and to combine the study of plants and animals. The method is inductive, and the aim is stated to be to develop rather than to inform. The manual is to direct the pupil in the examination of material. Instruction in the use of the microscope is given. The plan is intended to lead to close study, and the representation of organism by sketches. There are studies of more than twenty subjects, animals and plants. W. H. B.

TANGENTIALITIES AND TANGENTIALITIES. By A. P. Pichereau, 20 cents.

A pamphlet devoted to a non-mathematical discussion of the cause of the tides and of the motion of the heavenly bodies commonly explained by the theory of simple projectiles. If the moon received "onward motion at the start only" which has never decreased, gravity should pull such a projectile to the earth. But if the mass of the earth in its circular motion pulls the moon onward by a tangential force, exerted in front of a vertical line between their common centers, then the moon constantly gains enough impetus to continue in its orbit against the pull of gravity. "Centrifugal force" as a cause of the tides is, however, not an entirely new explanation, since it may be found in Newcomb's Astronomy. G. A. C.

THE SPECIAL KINESIOLOGY OF EDUCATIONAL GYMNASTICS. By the Baron Mis Posse, M. G., Director of the Posse Gymnasium, Boston. Lee &amp; Shepard, Price \$3.00.

The author has become prominent as an advocate of physical culture. He was special Swedish Commissioner to the Columbian Fair and was conspicuous in the World's Congress of physical education. He is an enthusiast on the subject of the Swedish system of movements. He discusses the general gymnastic theories, and gives in detail the movements that he considers the best adapted to secure bodily strength and health. These movements are accompanied by two hundred and sixty seven illustrations and an analytic chart. There is also, as a frontispiece, a fine portrait of the author.

The book contains more than is ordinarily needed in gymnastic exercises for schools and all that can be made use of in a complete gymnasium. The exercises are preferable to the bruising, limb-breaking violence of football, but it may be questioned whether nature ever intended that human beings should take exercise standing on their heads. In former times men found sufficient exercise in the work of obtaining a livelihood, but now that machines do so much of the work of the world, some substitute must be found to keep up the vigor of the race. This is an elaborate work on athletic exercises. W. H. B.

ELEMENTARY LESSONS IN PHYSICS. By J. B. Gifford. Thompson, Brown &amp; Co., 60 cents.

When so much is being said about teaching Physics in the grammar schools, many teachers of such schools will be looking for a suitable text-book. "Elementary Lessons in Physics" by Gifford, intended for pupils of upper grammar and lower high schools, is admirably adapted to the needs of these schools. The author aims to guide the pupil, but does not give results. While the experiments are suited to young pupils, they will stimulate accurate thinking and will teach scientific methods. G. A. C.

INVERTEBRATE ZOOLOGY. By Herman C. Bumpus, Ph. D. Professor of Comparative Anatomy Brown University. Henry Holt &amp; Co.

An elementary work giving directions for laboratory work. About thirty specimens are taken, not typical, but those easily obtained. The purpose, while giving directions, is not to tell the learner anything that he can find out by his own observations. While elementary, the book is systematic, and the

terms employed are scientific. In the appendix are given instructions in methods of working and the use of apparatus and reagents. W. H. B.

ORTHOGRAPHY AND ORTHOEPT. By Frank V. Irish, Columbus, Ohio.

In this book a subject much neglected in our schools is presented in an interesting form. In his efforts to establish a basis for the correct use of English the teacher will find the book most helpful. A. J. H.

THE CHILDREN'S SECOND READER. By Ellen M. Cyr. Ginn &amp; Co.

In addition to giving exercises in the mere process of reading, this little book aims to give the children something pleasant and profitable to think about. It calls their attention to things in nature that will delight them, and introduces them to Longfellow and Whittier in personal incidents, and in some short poems, in which is shown their loving interest in children. The book is neatly illustrated. W. H. B.

THE WORD-BUILDER. By A. J. Beitzel, Christopher Sower Company, Philadelphia.

The Word-BUILDER is one of the old kind of books, and yet it cannot be denied that it is a useful one. The author carries out his plan in a successful manner.

INTELLIGENT SPELLING. James Pott &amp; Co. Publishers. Price 50 cents.

A book in the Kilburn series, prepared by the Education Union of New York and London. Spelling is recognized as one of the most difficult subjects to teach. There is but little logic or system in English orthography. Pronunciation gives no idea of the spelling of a word. Long columns of words are assigned, and the pupils are expected to learn them without any idea as to their meaning. The learning is a mechanical process, without any exercise of the reasoning faculties.

This is an attempt to introduce something of intelligence in the process. Words are arranged in classes according to the subjects to which they pertain. For instance, all the words relating to a house are put together, so that pupils learn something about a house while learning to spell the word. A good deal of work has been expended in the preparation of the book, and it will answer a good purpose. W. H. B.

SCRIPT PRIMER: EASY READING LESSONS ON FORM AND ELEMENTARY SCIENCE FOR THE YOUNGEST CHILDREN, By Frances E. Oliver. Lee &amp; Shepard, Boston.

The illustrations are pleasing and suggestive, the page attractive, and the matter well adapted and instructive. This little book can be used with success in primary classes. A. J. H.

ELEMENTS OF ARITHMETIC. By William J. Milne, Ph. D. L. D. Price 35 cents. American Book Company.

This book is intended to be used to fit a pupil for taking up Arithmetic as treated in a more advanced text. At the same time it is complete enough to give a very fair knowledge of things needed in ordinary business. The author aims to develop the ideas of numbers by a free use of simple and interesting problems about everyday matters. We feel sure that this method of reaching the pupil is the right one and that by it he will be helped and stimulated to begin thinking. Throughout the book are sets of drill exercises and mental examples. W. H. B.

THE WERNER MENTAL ARITHMETIC. By Albert N. Raub, Ph. D. The Werner Company, Chicago and New York.

Every teacher of Arithmetic knows the value of simple problems which serve to illustrate a topic without compelling the pupil to go through a mass of irrelevant computation. It is undeniably true that much energy is misused in keeping down to such details. Lost in them, the pupil never develops the power of seeing his work as a complete argument. A partial remedy for this evil may be found in the use of a Mental Arithmetic such as Dr. Raub has given us. Exercises, thoroughly good and in great variety, are arranged in convenient sets. Model solutions and analyses are given. The questions are not too difficult, mere puzzle problems having been discarded. In the set for analysis, however, will be found some that will require some close and consecutive thinking. W. H. B.



**ELEMENTARY ALGEBRA.** By Thomas K. Brown. The Werner Company, Chicago and New York.

The book begins with a clear treatment of easy equations of the first degree. After considering addition, subtraction, multiplication and the use of parentheses, the author introduces single equations with two unknown quantities. This is something of a departure from traditional arrangement. Teachers are pretty well agreed that the introduction of easy problems renders the pupil's earlier study vastly more interesting to him and gives him some idea of the use of his work. There seems no good reason why the idea should not be extended, and simple problems of more than one unknown quantity admitted.

A feature of the book is the way in which a subject is brought up in different places and in new lights.

We were glad to note an interesting section given to a consideration of linear equations of any number of unknown quantities. It will prove helpful. The article on the making of the statements of problems and a set of general directions for their solution will serve admirably when more difficult questions come to be considered. We fail to note any discussion of the roots of a quadratic, a subject that can be made sufficiently clear and interesting for elementary work and which introduces the student to algebra proper, as distinguished from what may be called literal arithmetic.

Throughout the books are very usable sets of mental exercises. Answers to problems are given in an appendix.

W. B. H.

What man, woman or child does not refer with delight to America's great exposition, and to the world's greatest display of the arts of man. Who does not enjoy paging a book containing beautiful engravings of the World's Fair. The most notable effort in producing a book, that is recognized as the peer over all similar books, is the Bancroft Book of the Fair.

Although there are many publications on the Chicago Exposition, there are none which have been so broadly planned and so conscientiously and thoroughly carried out as *THE BOOK OF THE FAIR*, by Hubert Howe Bancroft. Besides the full history and description of the Exposition as a whole, and in its several national parts, every art and industry are presented and presented as no one else has.

A. W. Elson & Co., 146 Oliver St., Boston, Mass., have published fine photographs in large size, suitable for framing. These engravings are made after the famous Steward paintings.

## BOOKS RECEIVED.

- TECHNICAL DRAWING SERIES.** By Gardner C. Anthony. Published by D. C. Heath & Co., Boston, Mass. Price \$1.50.
- THE WORD-BUILDER.** By A. J. Beitzel, A.M. Published by Christopher Sower Co., Philadelphia, Pa.
- MAGILL'S MODERN FRENCH SERIES.** By Jules Claretie. Published by Christopher Sower Co., Philadelphia, Pa.
- SPECIMENS OF EXPOSITION.** By H. Lamont. Published by Henry Holt & Co., New York, N. Y. Price 50 cents.
- AN INTRODUCTION TO ENGLISH LITERATURE.** By H. S. Pancoast. Henry Holt & Co., New York. Price, \$1.25.
- THE COMBINATION SPELLER.** By James W. Shearer. Published by B. F. Johnson Publishing Co., Richmond, Va. Price 30 cents.
- PITMAN'S PHONOGRAPHIC DICTIONARY.** By Isaac Pitman. Published by Isaac Pitman & Son, New York, N. Y. Price \$1.50.
- THE MAKERS OF OUR NATION AND OUR BATTLES FOR FREEDOM.** By A. W. Elson & Co., Boston, Mass.
- MUSICAL SELECTIONS FOR WASHINGTON'S BIRTHDAY.** Published by Ginn & Co., Boston, Mass.
- PROGRAMME FOR A SCHOOL CELEBRATION OF WASHINGTON'S BIRTHDAY.** By Mrs. A. G. Lewis.
- SIR FRANCIS BACON'S CIPHER STORY.** By Orville W. Owen, M.D. Published by Howard Publishing Co., New York, N. Y. Price 50 cents.
- STORIES OF OLD GREECE.** By Emma M. Firth. Published by D. C. Heath & Co., Boston, Mass. Price 30 cents.
- THE NATIONAL SCHOOL LIBRARY OF SONG.** By Leo R. Lewis. Published by Ginn & Co., Boston, Mass. Mailing price 60 cents.
- CHAMBER'S CONCISE GAZETTEER.** By W. R. Chambers. Published by J. B. Lippincott & Co., Philadelphia, Pa. Price \$2.50.
- ENGLISH COMPOUND WORDS AND PHRASES.** By F. H. Teall. Published by Funk & Wagnall, New York, N. Y.
- THE WILD FLOWERS OF AMERICA.** By G. H. Buek & Co. No. 1. Published by G. H. Buek & Co., New York, N. Y.

## MAGAZINES RECEIVED.

- THE ARENA FOR DECEMBER.** By B. O. Flower. Published by The Arena Publishing Co., Boston, Mass.
- NORTH AMERICAN REVIEW FOR DECEMBER.** By Lloyd Brice. Published at New York, N. Y. Price \$5 per annum.
- SCRIBNER'S MAGAZINE FOR JANUARY.** Published by Charles Scribner's Sons, New York. Price 25 cents per copy.
- LIPPINCOTT'S MONTHLY MAGAZINE.** Published by J. B. Lippincott Co., Philadelphia Pa. Price 25 cents.
- McCLURE'S MAGAZINE FOR JANUARY.** Published by S. S. McClure, New York, N. Y. Price 15 cents.
- THE ARENA FOR JANUARY.** By B. O. Flower. Published by The Arena Publishing Co., Boston, Mass. Price 50 cents per copy.

By applying to the Albert Teachers' Agency (C. J. Albert, Manager), 211 Wabash Ave., Chicago,

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Wherewithal may be credited with having caused more intensity of feeling and greater impulse to educational effort throughout the United States than any book method of this now closing century—its natural method completing the art of teaching, studying, and public speaking. Its high endorsements by famous educators, Harris, McAllister, Vincent, and many others. Its elegant surface for practicing, no water required to clean surface. Its applications for method to Civics's Patriotism, Hygienic Essentials of all Education and Political and Municipal Education, its challenging the Aristotilian, Baconian, Pestalozian, Froebelian Methods by its greater simplicity. Its practicability makes it at once the greatest of all ancient or modern aids for teachers. Pupils and general readers see advertisement in another column.

## PHONOGRAPHY IN THE NEW YORK PUBLIC SCHOOLS.

The interest and enthusiasm shown by the pupils of the New York public schools in the study of Phonography, is something remarkable. Mr. W. L. Mason, the principal of the Metropolitan School of Shorthand, 95 Fifth Ave., who was recently appointed instructor in five of the grammar schools reports that the eagerness shown by the boys under his care is quite equal to that shown by any pupils he has ever taught. This is saying a good deal, for Mr. Mason has instructed over a thousand young people in Phonography in New York City alone. We think that much of the interest manifested is due to the novelty and attractiveness of Mr. Mason's methods, and to the exceeding lucidity of his instruction; and yet it speaks well for the boys who are just entering young manhood that they should show such an intelligent interest in this valuable art. We venture to think that the expectations of the Board of Education regarding the introduction of the Isaac Pitman Phonography into the supplementary course of the day school, will be more than realized.

Ansonia, Conn. Board decided to dispense with religious service in schools.

Riceville, Ia. The board of education has passed a resolution forbidding the teachers in the city schools from dancing.

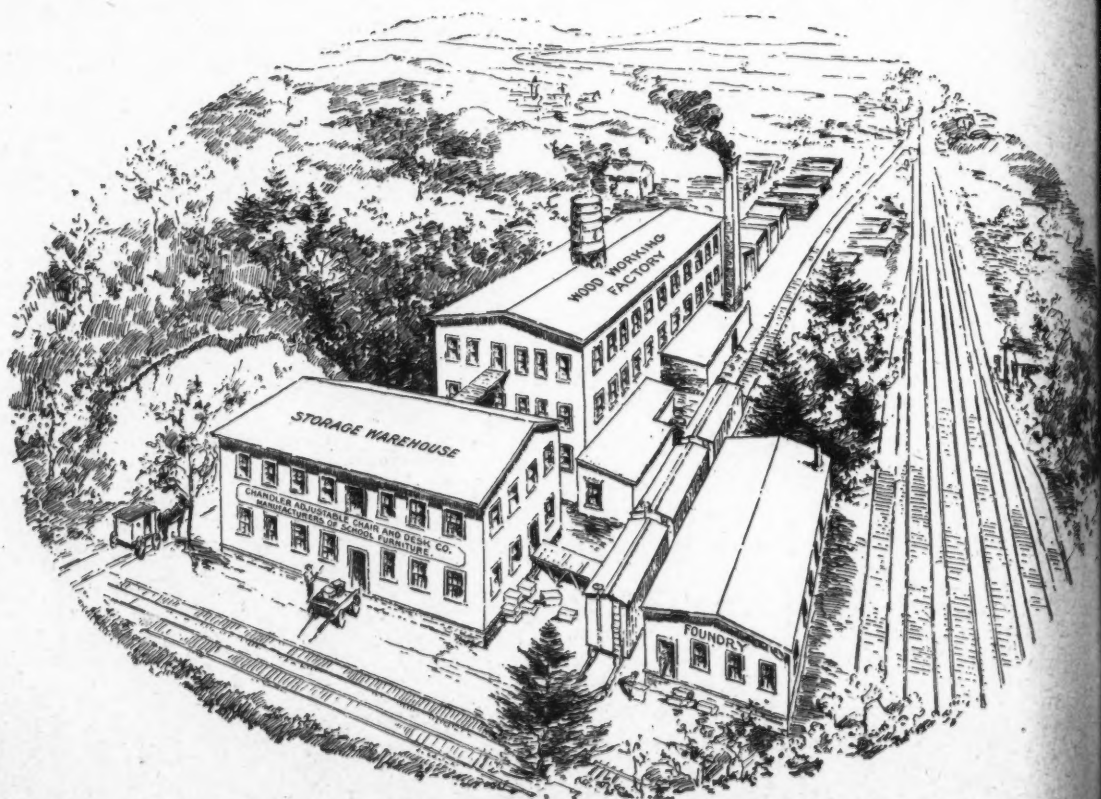
## THE NEW CHANDLER FACTORY.

The above illustration gives a good idea of the spacious new factory of the Chandler Adjustable Chair and Desk Company, Walpole, Mass. This is the most extensive and complete plant in the East for the manufacture of school furniture. It includes a three-story woodworking factory, dry kilns, four dry, nickel-plating works, japanning ovens, and a two-story storage warehouse. It was erected from plans designed by Mr. F. A. Chandler, the efficient superintendent of the works, and is equipped with all the latest modern machinery, affording facilities for producing the best goods in the market. The location is one of the finest shipping points in New England. A spur track enters the yard, admitting of the dumping of raw material at one door, and from another loading the manufactured product, thus reducing handling to a minimum.

It has been clearly demonstrated by those who have made a study of the adjustable feature, as applied to school furniture, that it is indispensable to the physical welfare of the pupil. Not simply the comfort, but the health, is involved. Serious diseases of the spine and the eye are the logical outgrowth of ill-fitting desks and seats. The relation of myopia to improper school furniture has received a much larger share of scientific investigation abroad than in this country, and where efforts have been made to correct the trouble with adjustable furniture, statistics show a uniform decrease of this disease. Without doubt, many cases of nearsightedness now existing and attributed to natural causes, might have been avoided if the sufferer had been properly fitted by desk and chair during school life.

Charles L. Scudder, M. D., the well known Boston specialist, who in 1892 examined 3,500 of Boston's school children and made an exhaustive report, found that twenty per cent. were more or less injured by improper seats. The further importance of this subject may be inferred from the fact that Dr. E. M. Hartwell, director of physical training in Boston public schools, in his report (school document, No. 8, 1894) devotes some thirty pages to the matter of defective seating. He says: "Malposition in writing, especially when unsuitable seats and desks are used, is a powerful factor in producing spinal deformity among schoolgirls. Indeed, lateral curvature of the spine has been characterized by more than one surgical authority as 'the writing position becomes fixed.' One of the most cogent arguments for the introduction of the so-called vertical script is that it conforms to normal and safe positions in writing." The need of adjustable furniture has been felt for years. Perfection was not approached until the "Roulstone" was invented. The Chandler Adjustable Chair and Desk Company (owners of the patent) have jumped at a single bound to the front rank among school furniture manufacturers, and their original plant soon proved inadequate to fill their rapidly increasing trade.

This company, whose Boston office is at No. 7 Temple place, number among their customers the best and most representative educational institutions which have recently been furnished, such as the Woodward Seminary of Quincy; Teachers' College, New York City; Tome Institute, Port Deposit, Md.; Havemeyer School, Greenwich, Conn.; as well as scores of public schools of many of our prominent cities.



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We present three new schools in Wausau, Wis., Ryn & Lesser, and The First ward stories high above the class rooms and cloak rooms, on the basement is located rooms and jan



WM. R. Supt. of Schools.

second stories mosaic tile. The ings are 76x48 two stories high, ments, each l and accommod prior finish, floor the First ward ing of the Fifth and put in by

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## NEW WAUSAU SCHOOLS.

We present herewith to our readers views of three new school buildings erected in the city of Wausau, Wis., according to plans prepared by Van Ryn & Lesser, architects, of Milwaukee, Wis.

The First ward school is 68x71 feet in size, two stories high above basement, with six class rooms. The building will accommodate 350 pupils. The class rooms are each provided with two separated cloak rooms, one for boys and one for girls. In the basement is located the heating apparatus, fuel rooms and janitor's work room and play rooms.

John Miller, of Wausau, had the contract for the erection of the complete building excepting the heating and ventilating system, which was furnished and put in by the Schwab & Sercomb Co., of Milwaukee. The building is a solid brick structure with foundation of stone. The interior finish is of Red Birch, natural finish.



WM. R. MOSS,  
Supt. of Schools, Wausau, Wis.

The floors in first and second stories are of maple and main entrance of mosaic tile. The Fifth and Seventh ward buildings are 76x48 and 64x71 feet in size respectively, two stories high, brick veneered and stone basements, each building containing six class rooms and accommodating about 300 pupils. The interior finish, floor, etc., are similar to the interior of the First ward school. The heating and ventilating of the Fifth ward school building was furnished and put in by the Hess Warming & Ventilating

Co., of Chicago, Ill. The Fifth and Seventh ward buildings are already completed and occupied and the first ward building will be ready for occupancy about Jan 15.

St. Joseph, Mo. The board would rather fight than eat. So says a local newspaper.

Rochester, N. Y. It develops that a temporary school is located in a school.

Columbus, O., board has weeded out the disreputable houses in the vicinity of schools.

Chicago. Board has pensioning of teachers under consideration.

Sacramento, Cal. According to the rules of the board the schools must be opened with prayer. The board now intends to abolish this practice.

Wherever Dr. M. Koenig's Rheumatism Salve has been used, it has gained golden opinions and won enthusiastic praise from a class of people little given to vaunting the virtues of any proprietary medicine.

SEVENTH WARD SCHOOL  
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SEVENTH WARD SCHOOL, WAUSAU, WIS.

FIRST WARD SCHOOL  
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MILWAUKEE WIS



FIRST WARD SCHOOL, WAUSAU, WIS.



FIFTH WARD SCHOOL, WAUSAU, WIS.

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"The Theory and Practice of (Vertical) Handwriting. This is probably the most comprehensive work on penmanship that has appeared since the revival of vertical writing set in. It comprises an elaborate presentation of the claims of this writing, with a history of its former use and its revival, and instructions for teaching it. No teacher who desires to be in complete touch with the foremost educational thinkers of the day can afford to pass it by unread."—Edward G. Ward, Associate Supt. of Schools, Brooklyn, N. Y., in *Educational Review*, November, 1894.

*Harison's Vertical Penmanship Pads*, Jackson System, with copy slips so arranged that a change of copy can be made on any line. 8 numbers, per set, 64 cents. *New Style Vertical Writing Copy Books*, Tracing, Elementary, Finishing, Business, (Commercial,) 10 numbers, per set, 80 cents.

**William Beverley Harison, 59 Fifth Avenue, School Books, and Supplies. All Kinds.**  
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—Public Opinion, Thursday, October 25, 1894.

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## MICROSCOPES AND BALANCES.

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## IOWA SCHOOL BOARD CONVENTION.

(Continued from page 15)

### Report of committee on permanent organization:

Believing that it will be for the best interest of our common schools, and productive of much good to our educational interests, we, your committee, would recommend that an annual meeting of the School Boards of the State, be held at the same time and place as the State Teachers' Association. Respectfully submitted. COMMITTEE.

### Report of committee on resolutions:

Whereas, We hereby endorse and commend the idea presented in the meeting, and are of the opinion that this should be made a permanent feature of the Iowa Educational work;

Resolved, That the organization should be made a section in connection with the Iowa State Teachers' Association, in order that the practical papers presented appear on record along with the general transactions of the Association.

Resolved, That an Executive Committee be named to arrange a programme for the next annual meeting with instructions to keep within the practical lines that touch the duties of directors.

Resolved, That the thanks of directors in attendance are tendered to the Des Moines school board for the pleasure and profit they have afforded in this meeting.

After a recess Mr. McElroy, of Ottumwa, read a paper on the subject of "School Laws: Changes and Amendments Needed." A report of this thoughtful address will appear in the next issue.

Crom. Bowen followed on "Changes and Amendments needed in School Laws." He said, in part, that he could not think of a single change in the laws that govern the Des Moines schools. When they wanted a thing they got it. Also that he believed a few simple laws which cover everything should be made, and good honest men take care of the trust that the public placed in their hands.

A motion was made by Nelson Royal that a committee be appointed to examine the school laws and report the needs and changes at the next annual meeting. Carried.

The next topic, "School Sanitation: Heating, Ventilation and Light," was treated by Dr. W. N. Heaton, of Des Moines. In substance he said that on entering school rooms he frequently found windows lowered from the top. This should not be as it was stealing the life away from the occupants of the room. In buildings as ordinarily constructed, the only way to ventilate is to raise the window an inch or two which affords space enough through which sufficient fresh air to ventilate the room is admitted.

Buildings heated by hot air furnaces, admitting the air direct from the outside and conducting it by means of ducts to the furnace chamber and then directly into the room is the most convenient way to ventilate and heat the average sized room.

J. T. Merrill's address on the same subject was as follows:

#### "SANITATION OF THE SCHOOL HOUSE,"

Includes almost everything pertaining to the school house. The walls are built, the floors are laid, and the roof put on in view of the health of the occupants.

Sanitation selects the site of the building, dictates the size of lot and distance from surrounding buildings, prescribes the number of square feet in the school yard. It places and measures the windows, it lays out the halls, it prescribes the height and location of the seats and desks. It places the blackboards and prescribes their character, and it warms and ventilates the building.

Much attention has been given to school house sanitation by authorities and scientific men, especially in the older countries and cities of Europe. Numerous rules have been promulgated bearing upon that subject. These forms or authoritative standards are well worth tabulating.

The site should be high and dry, of natural soil, not artificial, with no foreign matter. Marl, lime or sand ingredients being good, clay bad. The site must be remote from liquor saloons, noise of machinery, offensive or unwholesome odors, marshes, ponds, grave yards, dust or any form of nuisances or danger.

The building must be located not nearer to another than twice the height of the other building. That is to say: if an adjoining building be fifty feet high, the school building must be situated at least 100 feet distant; and the building should not cover more than one-half of the school lot. That there should be a yard of sufficient dimensions to furnish to each pupil at least thirty-three square feet of space.

All the building should be under-celled. Basement floors should be cemented. Arrangements should be made so that the basement may be kept scrupulously clean and ventilated.

Steps up to the first floor (and the first floor should be above the street level) must be enclosed within the walls of the building. The floors must be without cracks and the seams between the flooring boards should be as small as possible; thereby preventing the secretion of bacteria. There should be very little dry sweeping, and the floors should be washed from time to time with a weak sublimate.

The halls must be high, wide and ventilated. The stairs should be no less than a yard and a half in width, broken by landings and never circular. The tread should not be less than twelve inches in width, and the riser not more than five inches in height. In all houses of more than one story, there should be at least two stairways, and each flight should be accessible to every room in the building. And in cities the staircases should be fire proof.

Window sills must be not less than four feet above the floor. The windows should extend to the ceiling, and be square at the top, not circle-head. They should be massed at the left of the pupils and toward the back corner; one or two may be in the rear wall, but they should be placed near the same corner. The amount of glass surface should be equal to about one-fourth and never less than one-sixth of floor space. The light from above is the best light. If opaque curtains are used, they should be hung with rollers at the bottom, so that light may be admitted by rolling from the top downward.

No desk should be distant from the window more than one and one-half times the height of the window. That is to say, if the top of the window be twelve feet from the floor, no desk dependent upon that window for light should be more than eighteen feet from it.

Blackboards should be sufficiently high to be seen from all parts of the room, and extend low enough for the pupils to use with ease. The surface must be a dead finish and not glossy.

Seats and desks must be fitted to the children, and not the children to the seats; the seats should be high enough so that when the pupil is seated, the lower leg is at right angles to the floor, and the foot rests squarely on the floor. The lower part of the upper leg should touch the seat with the lightest possible contact. The distance from the seat to the top of the desk must be such that when the body is erect, two inches from the desk, the elbow may pass easily over the top of the desk. The ideal seats and desks are detached and adjustable. The shiny and glossy finish for desks is also condemned.

The forms or authoritative standards with reference to ventilation are much less definite and specific. But the investigation of the subject in this country and the publication of results of this investigation, have been numerous.

Ventilation and warming are necessarily combined. Ventilation is the removal of foul air and replacing it with pure air. The approved form provides for at least 30 cubic feet of pure air for each occupant per minute. A school room with 50 pupils should have not less than 1,500 cubic feet per minute, or 90,000 cubic feet of air per hour. This cannot be delivered to the room without provision for an equal amount of aspiration. The pure air must be equally distributed throughout the room, and an equal amount removed without producing any draft in any part of the room where pupils are seated. The movement of air of more than two feet per second or 120 feet per minute is a draft. Arrangements must be made so that when it becomes necessary on account of the elevated temperature, to close off the warm air supply, a flow of cold air, or air more moderately warmed, may continue. That is, the air supply (thirty cubic feet of pure air for each occupant per minute) must not be cut off by diminishing the temperature. The rate of inflow must be constant while the temperature is increased or diminished at the command of the teacher. Again, the exhausting process must continue even when the weather is so moderate that no fire is needed in the heating apparatus. To prevent drafts coming in contact with the occupants, the inlet register should be placed near the ceiling and the exhaust should be below the floor, and connected with numerous outlets at the floor in various parts of the room.

If the exhaust is by one outlet and thereby 1,500 cubic feet per minute pass out, there will be a very perceptible draft at all points within a radius of five feet of the outlet.

I have given you what I regard the best forms on the subject. In my judgment it is the duty of every person placed at the head of schools to make himself familiar with all these truths. He should be able to test the ventilation in a school room as readily as he tests the temperature. He should have an Anemometer and know how to use it. He should be able to test the purity of the air,

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Head of the class, perfect recitations, and examinations, envied by all. To attain such honor a good memory is necessary. The new physiological discovery—Memory Restorative Tablets—quickly and permanently increase the memory two to ten fold and greatly augment intellectual power. Difficult studies, lectures, etc., easily mastered; truly marvelous, highly endorsed, your success assured. Price \$1.00 postpaid. Send for circular.

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especially by the simpler household tests. Let him submit to himself and solve many problems like this:

Cubic contents of room 10,000 feet, 50 pupils in room. What is volume of Carbon Dioxide in room at the end of forty minutes, during which time there has been 20,000 cubic feet of pure air introduced: initial volume being four?

Exhaust 90,000 cubic feet through a shaft twenty inches by thirty inches in sixty minutes; what is the velocity?

Velocity 200 feet per minute. What must be size of shaft to exhaust 100,000 cubic feet per hour?

Mr. Dahlberg moved that a committee of three to report on election of officers for the ensuing year, be appointed, also to apportion time and place for next meeting. Carried. Messrs. Nelson Royal, E. E. McElroy, and Mr. Wattles, were appointed as such committee.

The committee reported the following nominations for officers for the ensuing year: President, C. N. Neal, Stuart; Vice President, Geo. A. McMan, Cedar Falls; Secretary, C. L. Dahlberg, Des Moines; Treasurer, F. C. Hills, Sioux City.

Ramey's Medicator is a very simple and practical instrument for getting Medicated air all through the head and into the throat and lungs. It is endorsed by prominent people. The firm guarantee their instrument and treatment to give perfect satisfaction or refund the money. The Medicator is used for treating Catarrh, Asthma, Bronchitis, Hay-fever, and all head and throat troubles. The price of the instrument and four month's treatment is only two dollars (\$2.00).

See the cut of the instrument and the testimonials showing what it has done for others, on first page opposite first page of reading matter of this issue, and for further particulars address Ramey-Medicator Co., Room 312, 85 Dearborn St., Chicago, Illinois.

T. M. Triplet, a physician of twenty-six years' practice at Aurora, Ill., says: I have used your Medicator in my practice, and I know of no instrument so good for the introduction of Inhalent Medicines for the nose, throat, and lungs. By your instrument, the patient can send the medicine to the lungs, throat, and all parts of the head. It is very useful in the treatment of Catarrh, La Grippe, and kindred troubles.

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# School Board Journal

## NEW HIGH SCHOOL BUILDING.

THE MOST MAGNIFICENT HIGH SCHOOL BUILDING  
IN THE STATE.

This building, erected at East St. Louis, Ill., is built after the design of School Architect F. S. Allen, of Joliet, Ills., and surpasses in beauty and utility any high school in the state, and of which the board of education of East St. Louis are justly proud.

It is 102x132 feet in size; the outside walls are entirely of blue Berea sandstone; the mason work of the tower is 95 feet in height and the top of the flag staff 120 feet above the ground.

There are four entrances, one on each side, and from the vestibules broad and easy staircases lead to the first, second and third floors. The arrangement of the rooms is in accordance with the most approved methods, each class room communicating directly with the central hall-way and having for its own individual use a large and commodious wardrobe, connecting with both class room and the hall-way. The class rooms are lighted entirely from the left hand side of the pupils, so there is no strong light in the eyes of either teachers or pupils and no shadows thrown on the desks of the pupils as is the case where class rooms are lighted from the rear or from the right hand side.

The vestibule floor is six inches above the grade line and on a level with the toilet rooms in the basement, which have a six foot seven inch ceiling, thus bringing the first floor of the building eight feet six inches above the grade.

In one corner of the basement, near the tower, is the office of the superintendent of city schools, also the office of the board of education, which is provided with a fire proof vault and stationary lavatory. In the basement are also located the boys' and girls' toilet rooms which are fitted up with Smead's dry closets, three large manual training rooms, furnace rooms, coal rooms, foul and fresh air rooms, fan rooms and motor rooms, where are located two seven horse power electric motors which propel the fresh and foul air fans.

On the first floor there are eight class rooms with about 750 square feet of floor area each, which will comfortably accommodate fifty pupils per room at an average floor area of fifteen square feet per pupil.

On the second floor of two class rooms is thrown into one large high school study room. There are five ordinary classrooms and two recitation rooms, also a principal's office at the end of the hall which overlooks all of the

second floor hall (35x75 feet in size) and the staircases leading to it.

On the third floor in the center of the building is a large auditorium, 67x97 feet in size, which is provided with 1,100 opera chairs. There are also five recitation rooms in the gables at the end which are used for chemical laboratory, physical laboratory, biological laboratory, scientific laboratory and lecture room. Three staircases from the entrances lead to the third floor, one of which goes behind the stage. Each of these staircases has a landing in the center between each floor, which is located next to the outside wall and through which light is admitted from windows on the landing.

The inside walls of the building are entirely of brick, making it of slow burning construction, while the roof is of Vermont green slate, harmonizing with the color of the stone work.

The floors and staircases are of hard maple, while the remainder of the finish is pine.

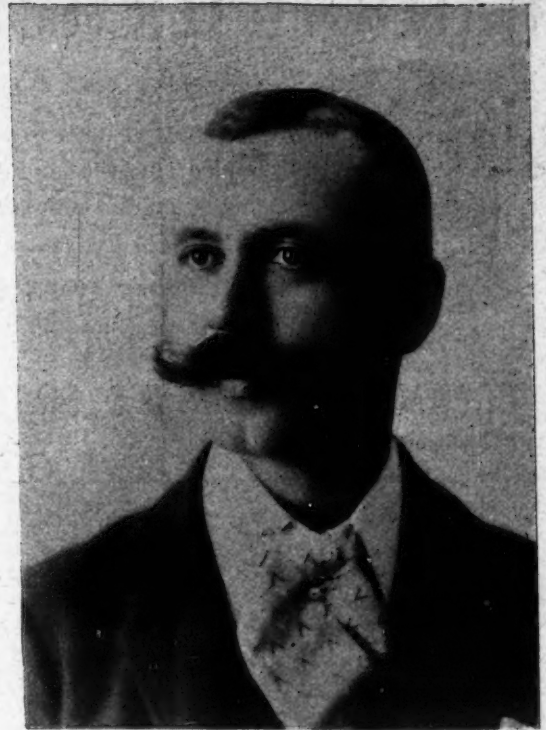
The building is heated by eight large Smead furnaces which are supplied with fresh air by a six foot fan. A second fan of this size is used to exhaust the foul air from the building. The temperature is regulated by the Johnson Electric Service.

The hallways, toilet rooms and offices are supplied with drinking fountains and stationary lavatories.

Both gas and electricity are used throughout the building for lighting and it is supplied with a perfect system of electric bells and program clocks. In fact the East St. Louis High school building embodies all of the most modern ideas found in school house construction.

The total cost including building, grounds and furniture is \$90,000.

It is plainly evident that C. Howard Walker had



F. S. ALLEN,  
School House Architect, Joliet, Ill.

not seen this building when writing his "Suggestions on Architecture of School Houses" in the December number of the *Atlantic Monthly*.

James V. Ridgway & Co., of Chicago, are among the most reliable jewelry firms in the West. What they say, they will do. We can vouch for their integrity and reliability. See ad. in another column.

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Frank J. Cheney makes oath that he is the senior partner of the firm of F. J. Cheney & Co., doing business in the city of Toledo, county and state aforesaid, and that said firm will pay ONE HUNDRED DOLLARS for each and every case of catarrh that cannot be cured by the use of Hall's Catarrh Cure.

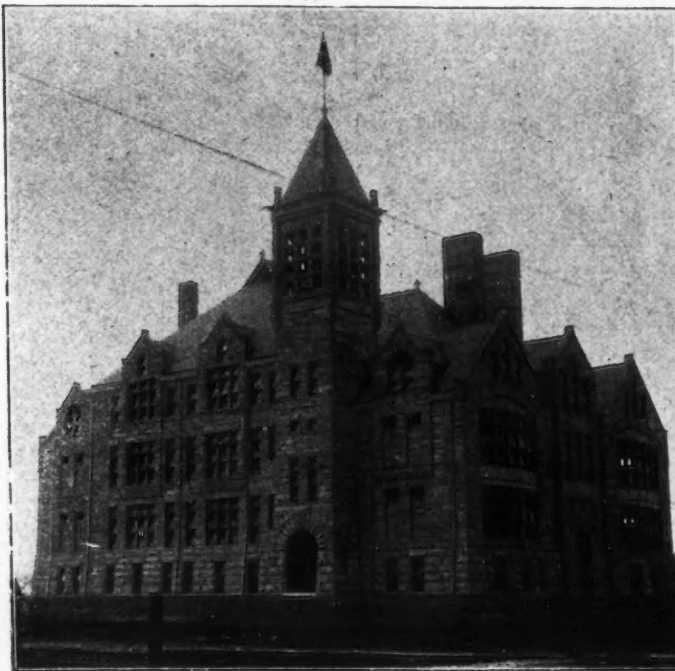
FRANK J. CHENEY.

Sworn to before me and subscribed in my presence this 6th day of December, A. D. 1886.

(SEAL.)

Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials free.

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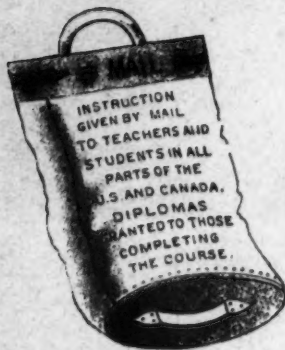
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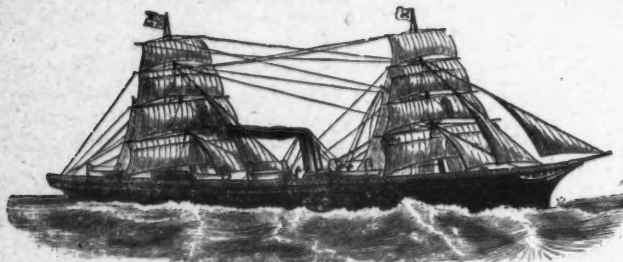
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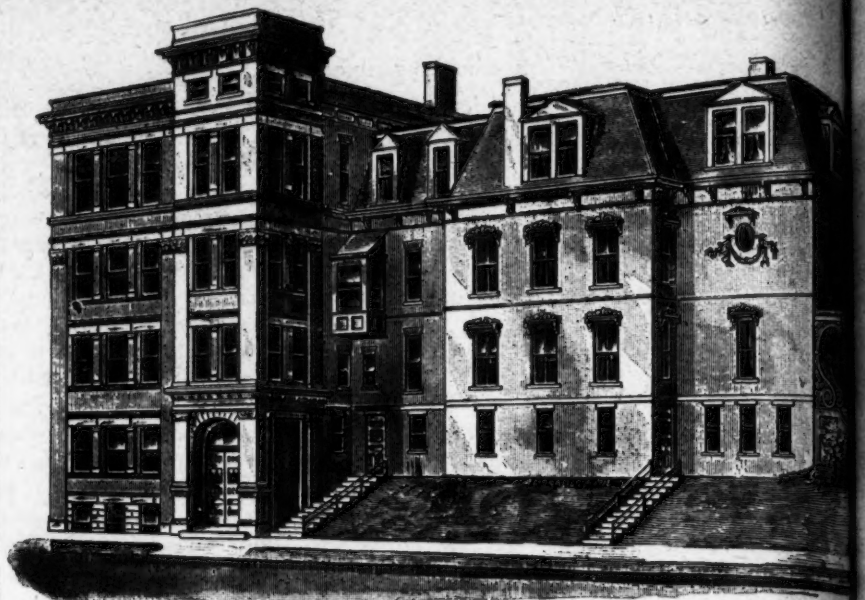
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When an article will do as much for you as that, do you not agree with us that it deserves investigation, and a trial won't hurt any one?

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Ladies 30 or 35 years old, can look like 19 or 20 by its continued use. It gives the face that young, soft, white, fresh look that nothing else on the market can give, and fattens out all your wrinkles. Use it before powdering, and in a short time powdering becomes unnecessary.

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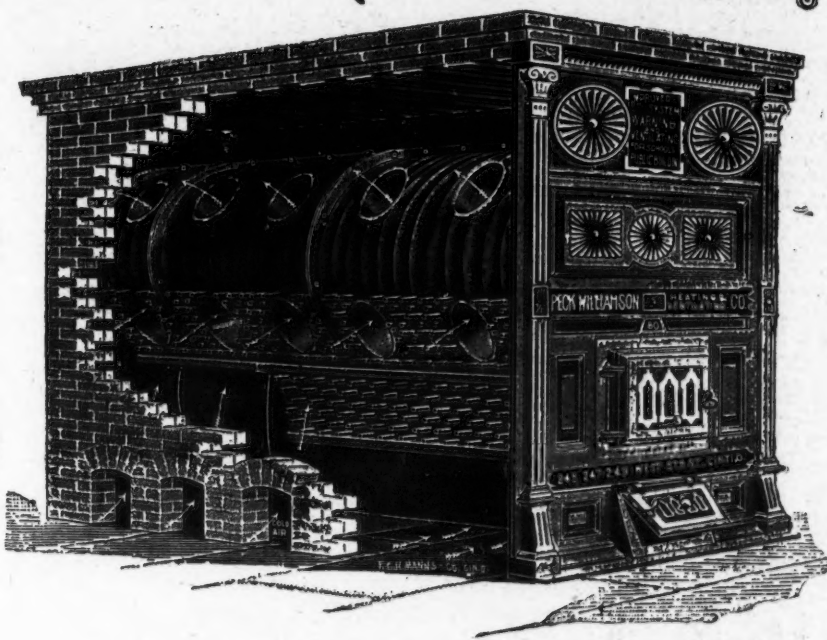
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The wide-awake School Board recognizes the need of furnishing their pupils with fresh pure air and warm their school house to 70 degrees in the coldest weather. You can do this by the F. RICHTER & SON HOT AND WARM BLAST SYSTEM.

If you are building a school house don't fail to write to us for plans and estimates; we will furnish them free of charge.

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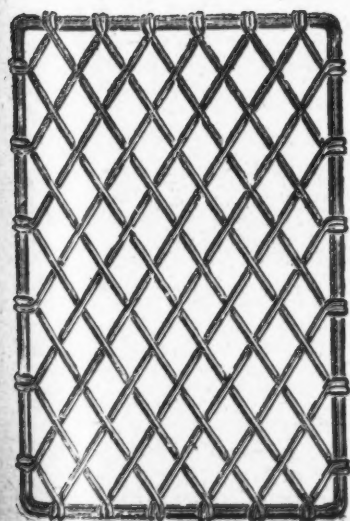
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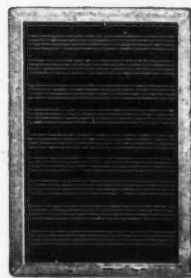
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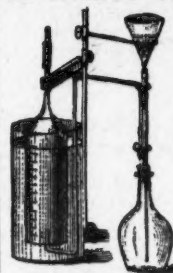
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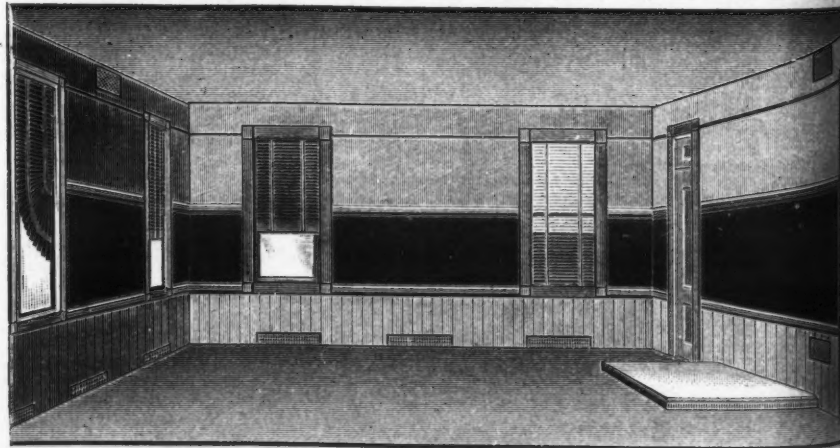
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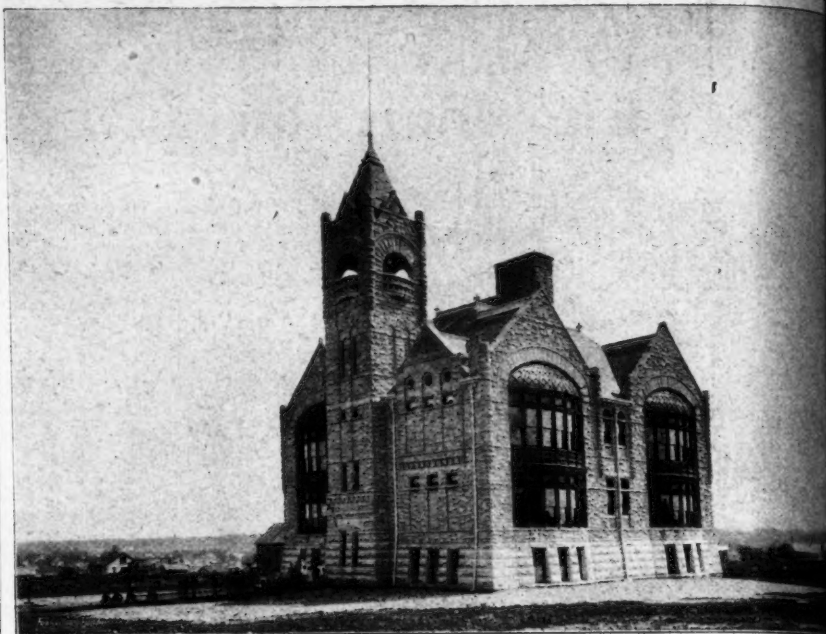
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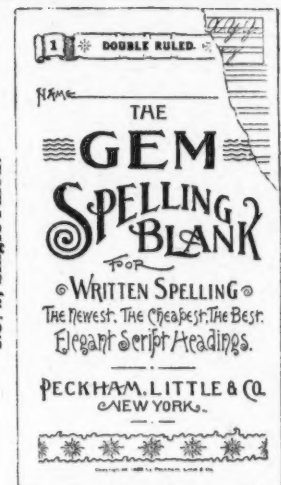
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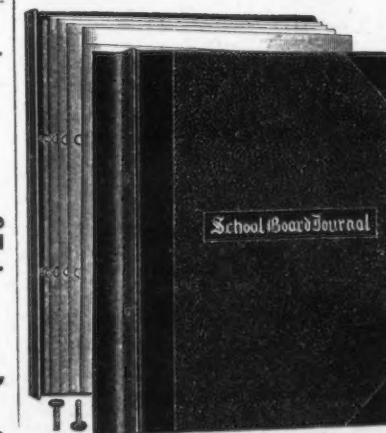
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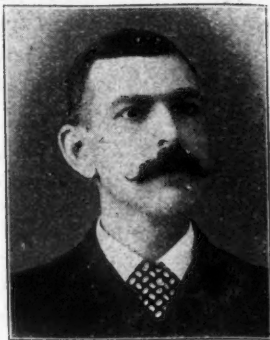


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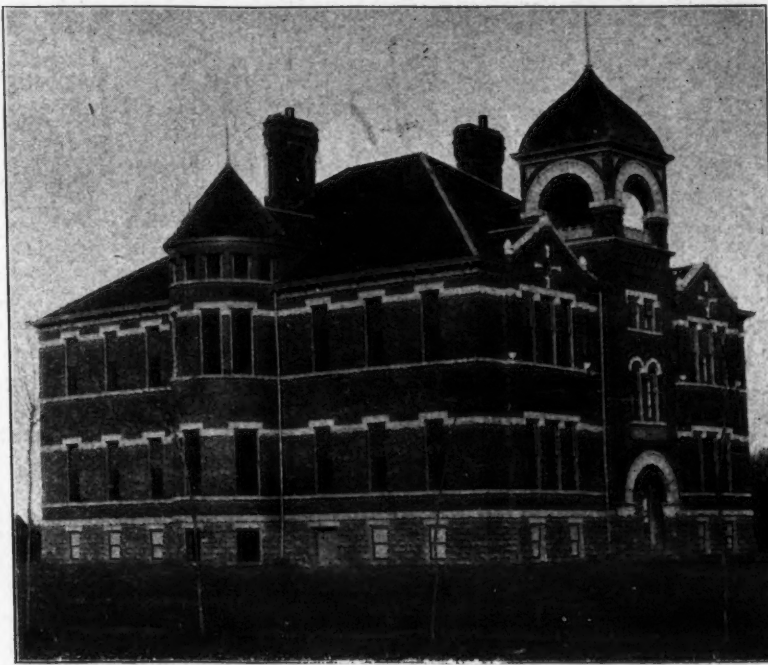
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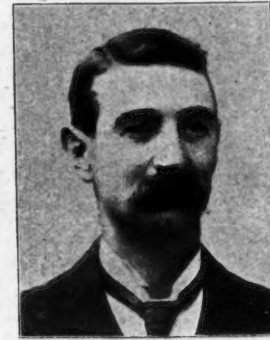


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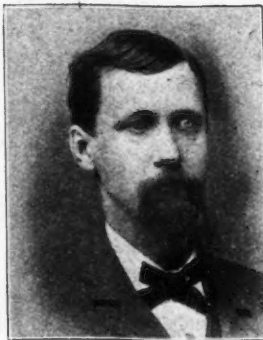
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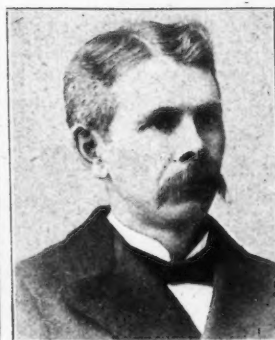
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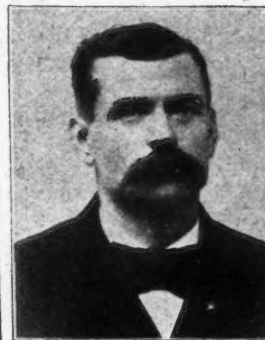
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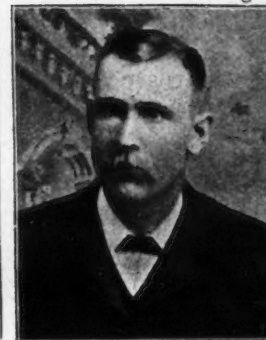
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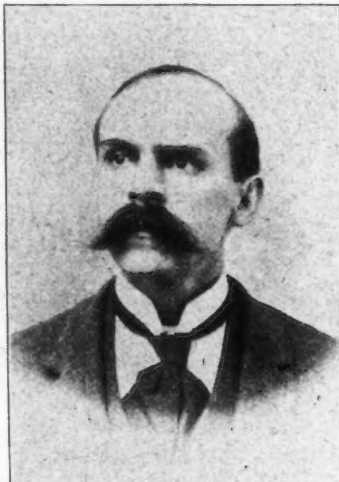
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As mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is ten fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, contains no mercury, and is taken internally acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure and get the genuine. It is taken internally, and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free. Sold by Druggists, price 75 cents per bottle.

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A sound body for a sound mind. This is a progressive age. There is no limit to progress. In art and science, indeed, in all lines of human activity and enterprise may be seen a wonderful degree of progress towards perfection. Look at the marvelous improvement in the various species of stock in animals; the forms and speed of horses; the breed and quality of cattle and poultry, as compared with their standards fifty years ago. Now all these interesting facts of improvement are but demonstrations of the possibilities of physical culture in the animal kingdom. So also may be seen a similar progress towards perfection in all departments of the vegetable kingdom. Flowers, fruits and vegetables may be, and have been wonderfully advanced to a higher standard of perfection by the skill and power of culture.

Is it anything strange, then, that educational processes should be employed for the physical culture and perfection of the human race?

The wonder is that so little attention and effort have been made in this direction when the physical department of the human being, so much more directly under the dominion of the human intellect, is eminently capable of being brought to a high degree of perfection by educational process, scientifically and persistently employed. It is an interesting fact however, very obvious that there is an unusual amount of interest and effort being bestowed in the direction of the physical culture of the human race in this age of progress. This is prophetic of a nobler humanity; of higher standards of health; greater powers of endurance; higher types of beauty; greater

perfection in size, form and the agility and grace of movement. One has but to look at the marvelous feats of professional acrobats to learn to what a degree of perfection the muscular system can be brought by culture. Look at Sandowe and learn of the possibilities of physical culture. He was not born a giant; he had no extra endowments of number, or strength of muscles, but he cultivated them up to their highest perfection. His great distinction is due to muscular education. What has been done, can be done again. The human body as well as the human mind is capable of almost limitless progress towards perfection. But such attainments can only be reached by persistent and systematic processes of cultivation. It is with much pleasure we call attention to a school of physical culture, recently opened by Mrs. S. J. Jenkins, 119 Wisconsin street, rooms 7 and 8, nicely fitted and well equipped for the benefit of ladies and lasses. Mrs. Jenkins is a graduate of Prof. Madison's, Shiller Institute of Physical Culture, of Chicago, and she is well endowed by nature and art for this excellent style of education. Special inducements are offered for classes of girls. Young and middle aged ladies also, will find it greatly to their advantage to take a course of training for the harmonious development of their muscular system and improvement of health.

## MILWAUKEE MEDICAL COLLEGE AND SCHOOL OF DENTISTRY.

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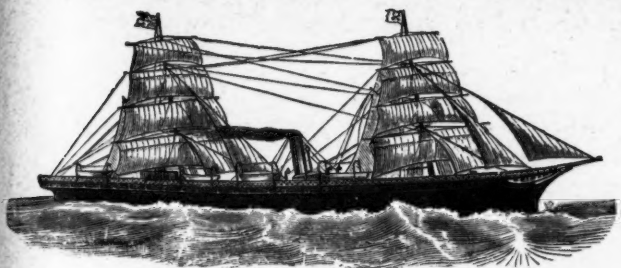
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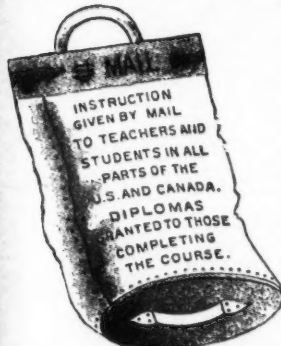
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Ladies 30 or 35 years old, can look like 19 or 20 by its continued use. It gives the face that young, soft, white, fresh look that nothing else on the market can give, and fattens out all your wrinkles. Use it before powdering, and in a short time powdering becomes unnecessary.

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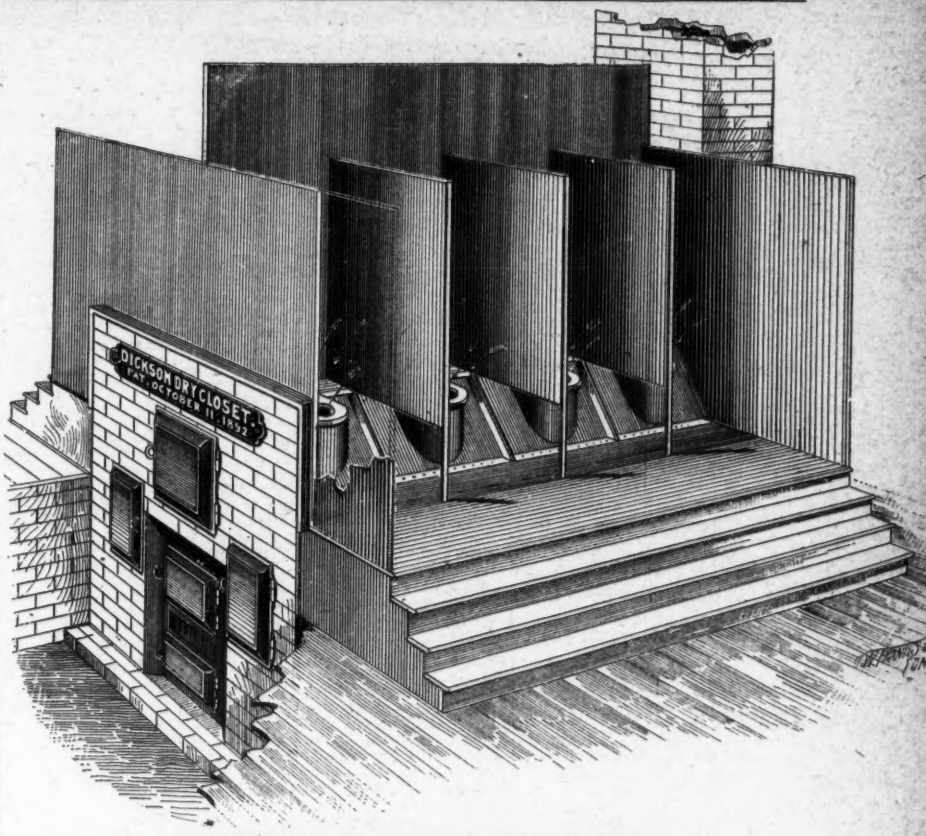
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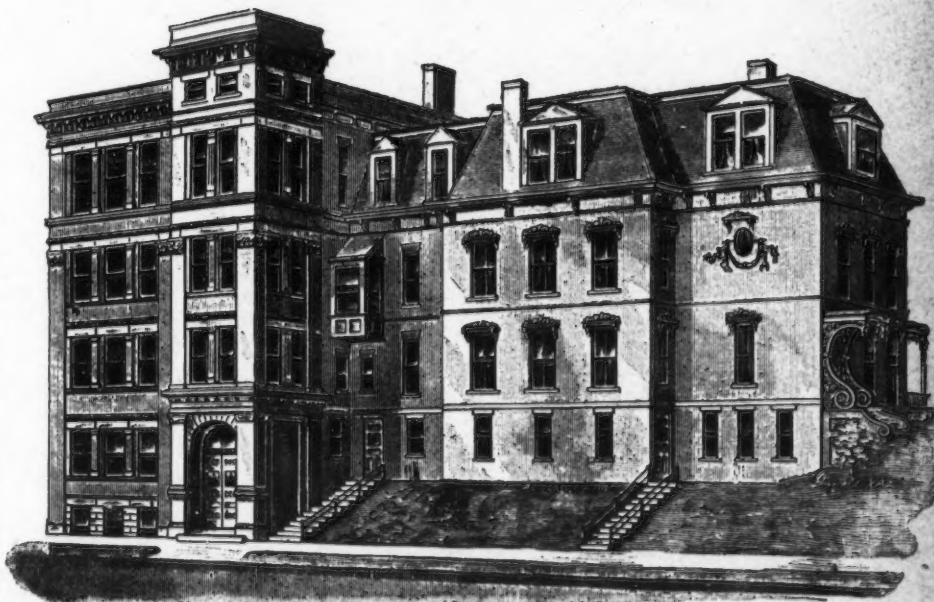
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" " Boise Patenigil's First Les..... " " sons in Greek..... S.C.G. & Co. Steven's Oration of Lysias..... " " <b>Hebrew.</b> Elements of Hebrew..... C.S. Sons Introd. Heb. Meth. and Man..... " " Elements of Hebrew Syntax..... " " Hebrew Vocabularies..... " " <b>Histories.</b> Gulzot's Civil..... D.A. & Co. Sewell's Greek..... " " Aior it's Rome..... W. B. C. Green's Short Hist. Eng. People..... H. & Bros. Smith's Hist. of Greece..... " " Rome..... " " Stone's History of Eng..... T. B. & Co. Allen's History Topics..... D.C.H. Co. Sheldon's Gen. History..... " " Greek & Roman His..... " " United States Hist..... " " T'cher's Manual to U. S. His..... " " Barnes (8)..... A. B. Co. Eggleston's (2)..... " " Eclectic (2)..... " " Swinton's..... " " Ridpath..... " " Evolution Series—Nations..... W. B. H. Montgomery's Beginners..... Ginn & Co. Leading Facts..... " " Davidson's United States..... " " Allen's Roman People..... " " Meyer's Series..... " " Meyer's and Allen's Anc. His..... " " Montgomery's Leading Facts..... " " of French History..... " " Montgomery's Leading Facts..... " " of English History..... " " A Brief Compend. of U.S. H. L. S. S. Great Lives, a Course of Hist..... " " and Biography..... " " Songs of History..... W. B. H. Hassell's School..... U. P. Co. Hassell's Higher..... " " Civil during the Mid. Ages..... C.S. Sons Fisher's The Reformation..... " " The Colonial Era..... " " Aloavie's The French War..... " " and the Revolution..... " " Johnston's United States..... " " History and Constitution..... " " The United States, Its His..... " " and Constitution..... " " Epochs of Ancient History..... " " of Modern..... " " William's Modern Education C.W. B. Northam's Fixing of Facts..... " " Julian's Brief Views..... " " <b>Japanese.</b> Baba's Grammar..... D.A. & Co. <b>Language and Grammar.</b> Corbett's English..... D.A. & Co. Reed's Int. Lang. Work..... M.M. & Co. Reed & Kellogg's Graded..... " " Higher..... " " Anderson's Junior..... " " Grammar..... " " Merrill's English..... " " Practical Grammar, 500 Exer. W.B. H. Atwood's Tablets..... P. & P. Maxwell's (3)..... A. B. Co. Harvey's (2)..... " " Long's (3)..... " " Metcalf's & Bright's..... Ginn & Co. Tarbell's..... " " Knox-Heath's Element..... " " Whitney & Lockwood's..... " " Whitney's Essentials..... " " Lockwood's Lessons..... D.C.H. Co. Meiklejohn's..... " " Strang's Exercises..... " " Hadlam's..... " " Hydes' Lesson's (series)..... " " Meiklejohn's Eng. Gram..... D.C.H. Co. Matthew's Gram..... " " Strang's Ex. in Eng..... " " Hyde's Adv. Eng. Gram..... " " First Les. in Lang..... L. S. S. Elem. of Comp. and Gram..... " " Our Language..... " " Forty Les in Punct. and Cap..... " " Normal Course in Eng (3)..... S. B. Co. Welsh Series..... " " Essentials of Eng..... " " Eng. Masterpiece Course..... " " Judson P. Welsh's Prac. Gram. C.S. Co. Fewsmit's Elem. Grammar..... " " English Grammar..... " " Magill's Reading French Gram..... 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Masterpieces of Am. Liter..... " " Modern Classics..... " " American Poems..... " " American Prose..... " " Rolle's stu. ser. of stan. p'ty..... " " Richardson's Primer of Am..... " " Literature..... " " Renton's Outline of Eng. Lit. C.S. Sons <b>Language and Literature.</b> Heroes and Hero Worship..... C.S. Sons Teach. and Modern Lang..... " " Science of Eng. Verse..... " " Eng. Lands, Letters and Kings..... " " Books and Reading..... " " <b>Manual Training.</b> McArthur's Man. In i..... D.A. & Co. Manual or Gymnastics..... W. B. H. Gymnastic cards of the Lingg..... " " System..... " " Thompson's..... D.C.H. Co. Sloyd-Teacher's Handbook..... S. B. Co. Sloyd's Educational Theory..... " " Manual Training..... C.S. Sons <b>Mental Science.</b> Dewey's Psychology..... H. & Bros. Hann's Mental..... A. B. Co. Champlin's Intellect..... " " Hewett's Psychology..... " " Putnam's Element..... " " Schuyler's Psychol..... " " De Garmo's Lindner's..... " " Kudiment Psychol..... L. S. & S. 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# School Board Journal

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G. & Co. <b>Cross' Eclectic Dictionary</b> ..... <b>Cross' Eclectic Lessons</b> ..... <b>Cross' Eclectic Phrase Book</b> ..... <b>Isaac Pitman's Complete</b> .....I. P. & S. <b>Instructor</b> ..... <b>Isaac Pitman's Phono. Dic.</b> ..... <b>Spanish.</b> <b>De Torno's Method</b> .....D. A. & Co. <b>De Vere's Grammar</b> ..... <b>Ollendorff method</b> ..... <b>Spellers.</b> <b>Holmes' Elementary</b> .....U. P. Co. <b>Sanford's Limited Speller</b> .....C. W. B. <b>Merrill's Word and Sent.</b> .....M. M. & Co. <b>Reed's Word Lessons</b> ..... <b>Hansell's Primary</b> .....U. P. Co. <b>Gem Spelling Blanks</b> .....P. L. & Co. <b>Baltwood's Higher</b> .....A. S. & Co. <b>Harrington's</b> .....A. B. Co. <b>McGuffey's</b> ..... <b>Metcalf's</b> ..... <b>Swinton's</b> ..... <b>Watson's</b> ..... <b>Grave's New Graded</b> .....Ginn & Co. <b>Stickney's Word by Word</b> ..... <b>Ginn &amp; Co.'s Blank</b> ..... <b>M-Jeney's and Griffin's</b> .....D. C. H. 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## ABBREVIATIONS:

<b>D. Appleton &amp; Co.</b> .....D. A. & Co. <b>Albert, Scott &amp; Co.</b> .....A. S. & Co. <b>American Book Co.</b> .....A. B. Co. <b>C. W. Bardeen</b> .....C. W. B. <b>L. H. Bigelow &amp; Co.</b> .....L. B. & Co. <b>W. B. Clive</b> .....W. B. C.	<b>S. C. Griggs &amp; Co.</b> .....S. C. G. & Co. <b>Ginn &amp; Co.</b> .....G. & Co. <b>D. C. Heath Co.</b> .....D. C. H. Co. <b>Harper &amp; Bros.</b> .....H. & B. <b>Houghton, Mifflin &amp; Co.</b> .....H. M. & Co. <b>Wm. Beverley Harrison</b> .....W. B. H.	<b>Wm. B. Jenkins</b> .....W. B. J. <b>Leach, Shewell &amp; Sanborn</b> .....L. S. S. <b>Maynard Merrill &amp; Co.</b> .....M. M. & Co. <b>Mutual Book Co.</b> .....M. B. Co. <b>G. &amp; C. Merriam Co.</b> .....G. & C. M. Co. <b>Practical Text Book Co.</b> .....P. T. B. Co.	<b>Potter &amp; Putnam</b> .....P. & P. <b>Prang Educational Co.</b> .....P. E. Co. <b>Peckham, Little &amp; Co.</b> .....P. L. & Co. <b>Isaac Pitman &amp; Sons</b> .....I. P. & S. <b>Christopher Sower Co.</b> .....C. S. Co. <b>Silver, Burdett &amp; Co.</b> .....S. B. & Co.	<b>Sheldon &amp; Co.</b> .....S. & Co. <b>Chas. Scribner's Sons</b> .....C. S. Sons <b>Thompson, Brown &amp; Co.</b> .....T. B. & Co. <b>University Publishing Co.</b> .....U. P. Co. <b>Williams &amp; Rogers</b> .....W. & R.
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## SCHOOL SUPPLIES

# Directory

## SCHOOL EQUIPMENT

This directory has been prepared for the convenience of Secretaries, Boards of Education and school officials who contemplate the erection of school houses, and the purchase of School Furniture, Supplies and Equipment. The names of reliable firms only are listed. Write them for estimates and other information.

<b>Apparatus.</b> <b>Ziegler Electric Co.</b> .....Boston. <b>Kimer &amp; Amend</b> .....New York City. <b>E. S. Ritchie &amp; Sons</b> .....Brookline, Mass. <b>Richards &amp; Co.</b> .....New York, Chicago. <b>U. S. F. Co.</b> .....Chicago, N. Y., Sidney, O. <b>Alfred L. Robbins Co.</b> .....Chicago, Ill. <b>Central School Supply House</b> .....Boston. <b>Educational Aid A'ssn.</b> .....Chicago.	<b>Architects.</b> <b>F. S. Allen</b> .....Joliet, Ill. <b>School House Constr. Co.</b> .....Peoria, Ill. <b>Conover &amp; Porter</b> .....Madison, Wis. <b>H. C. Koch &amp; Co.</b> .....Milwaukee, Wis. <b>Van Ryn &amp; Lesser</b> ..... <b>Bernard Kolpack</b> ..... <b>Bells.</b> <b>Buckeye Bell Foundry</b> .....Cincinnati, O. <b>Cincinnati Bell Foundry</b> ..... <b>Centennial Bell Foundry</b> .....Milwaukee. <b>Stucke &amp; Bros.</b> .....St. Louis, Mo. <b>Meuser's Bell Co.</b> .....Troy, N. 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Desk Co.</b> .....Boston, Mass. <b>Thomas Kane &amp; Co.</b> .....Chicago. <b>Central School Supply House</b> .....Chicago. <b>Manitowoc St'g Co.</b> .....Manitowoc, Wis. <b>Educational Aid A'ssn.</b> .....Chicago.	<b>School Records.</b> <b>E. O. D. Barron</b> .....Columbus, O. <b>Oliver Adams Pub. Co.</b> .....Chicago. <b>Central Sch. Sup. House</b> .....Chicago.	<b>School Blanks.</b> <b>Oliver Adams Pub. Co.</b> .....Chicago, Ill. <b>Central Sch. Sup. House</b> .....Chicago.	<b>Slate.</b> <b>Cons. Lehigh Slate Co.</b> .....N. Y. City.	<b>School Supplies.</b> <b>Bobrick Sch. Furn. Co.</b> .....Boston. <b>U. S. School Furniture Co.</b> .....Chicago, Ill. <b>J. W. Schermerhorn &amp; Co.</b> .....N. Y. City. <b>Wm. Bev. Harrison</b> .....New York City. <b>Peckham, Little &amp; Co.</b> .....New York City. <b>J. M. Olcott</b> .....N. Y. City. <b>Potter &amp; Putnam</b> .....New York City. <b>Boston School Sup. 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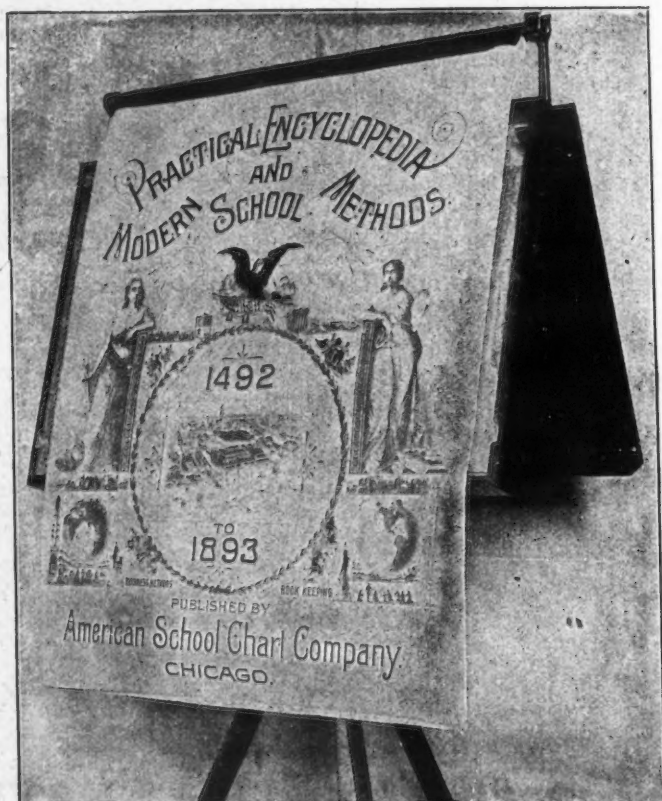
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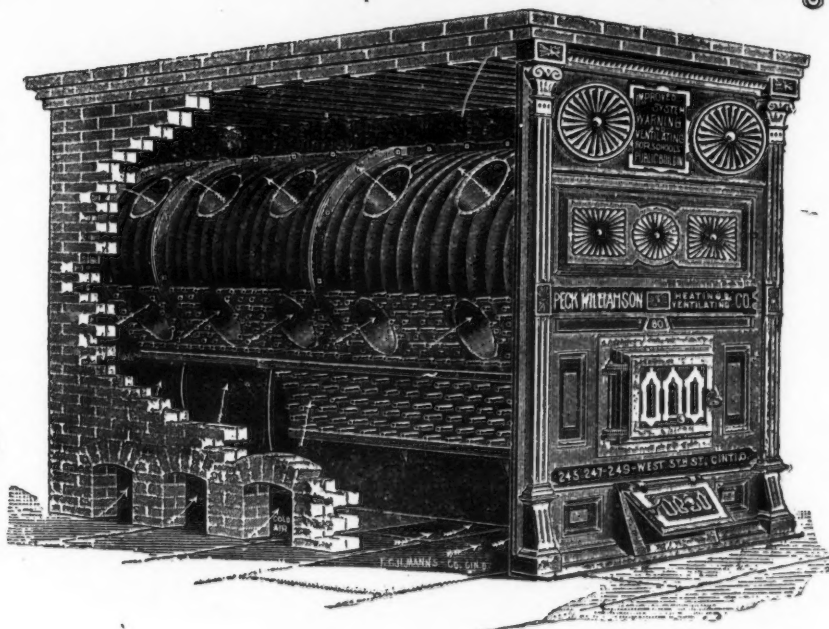
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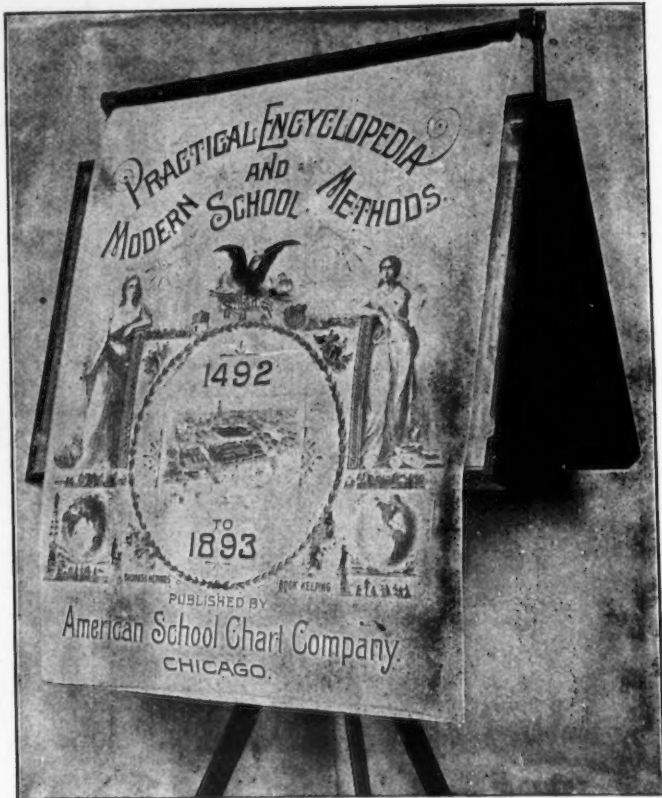
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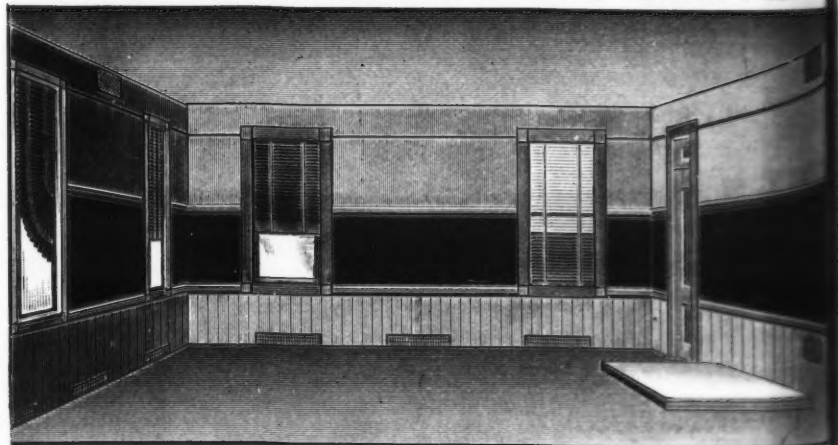
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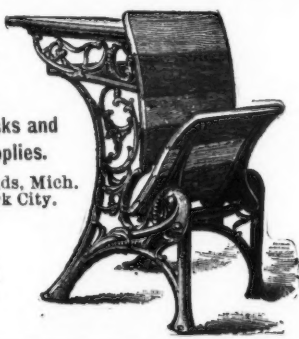
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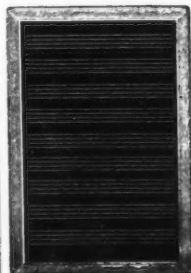


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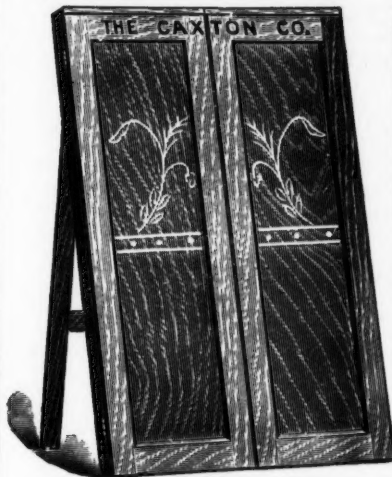


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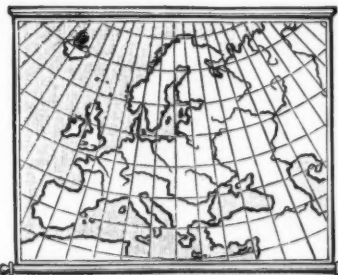
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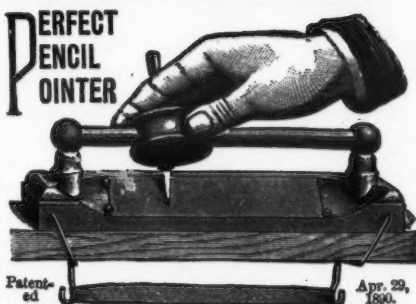
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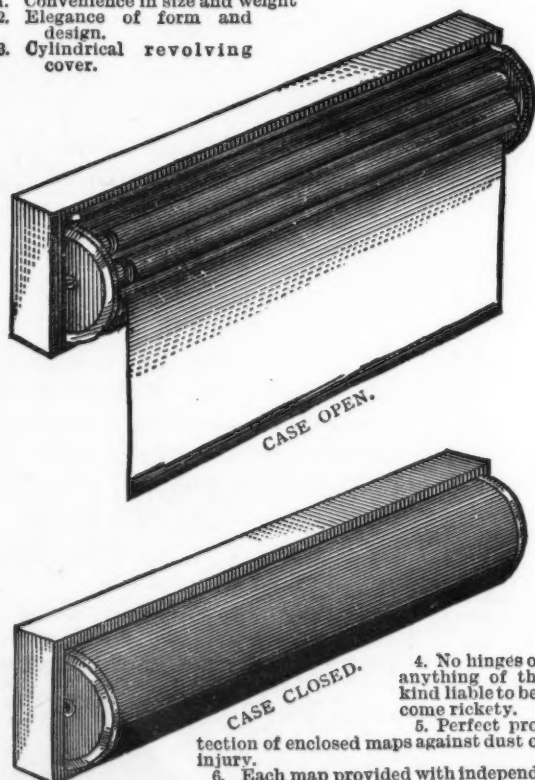
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## SOUTHERN EDUCATIONAL NEWS

The recent meeting of the Florida State Teachers' Association, at Orlando, was one of the largest and most interesting meetings ever held, there being over 700 teachers in attendance.

The Georgia State Teachers' Association will meet at its home on Cumberland Island, from June 25th to July 5th.

It was charged that the Populists of North Carolina, who have recently gotten possession of the State Government, would be found active enemies of the public schools as well as of the higher educational institutions in the State. Their leading Journal, at Raleigh, however, has come out boldly in defense of education and has stated that the Populists do not propose to take any backward steps in this matter.

The School Board at Atlanta, Ga., has temporarily suspended work upon the new Boy's High School because of the fact that the city council has declined to grant them sufficient funds for that purpose in addition to running the public schools.

The new State Commissioner of Georgia, the Hon. G. F. Glenn, is a man of ripe experience in the work of teaching, of fine scholarship, and of a very progressive and wide-awake spirit. He has taken hold of his work with vim, and at the same time is wisely conservative in such a way as to indicate that he proposes that the schools of Georgia shall not take backward steps under his administration. He insists upon examination for teachers that are examinations, and upon methods in teaching and in institute work such as are up to the best work done in any part of the United States. He is quite a genial gentleman, and is making friends among the teachers as well as among those interested in the upward course in the cause of education.

President S. D. Bradwell, of the new State Normal School, established by the legislature of Georgia, has just completed his term as State Commissioner of Schools of that state, in which position he gave very general satisfaction. President Bradwell is a man of fine social qualities, of broad and liberal principles, and of an earnest spirit for the best things, and his administration of the new State Normal School will doubtless be of such a character as not only to help greatly the work of education in the state of Georgia but also to give the Normal School a strong claim upon the friendship of the people of the state.

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MAGGIE R.

By a majority of one the Dubuque, Ia., board of education decided to make the kindergarten a part of the public school system.

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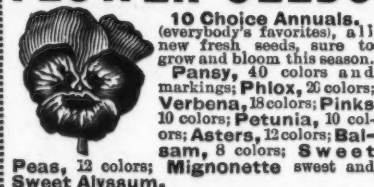
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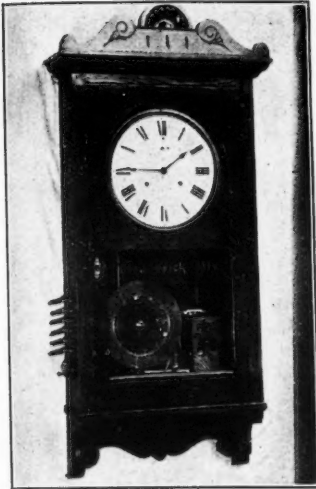




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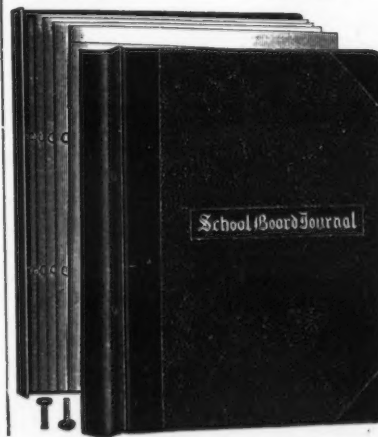
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COLUMBIAN UNIVERSITY, Washington, D. C., Oct. 19, '94.

I am pleased to state that I have examined carefully the Relief Maps published by the Central School Supply House, and find in them many features that make them of incalculable value in teaching Geography.

In my professional work I have been obliged to travel very extensively, and in no trip have I not realized what an imperfect knowledge our School Geographies give of the character of the country. If, however, such accurate Relief Maps had been at my disposal earlier in life, I am sure the face of the country would not be so strangely new to me.

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Elements of Geodesy (now in its third edition).  
Bibliography of Geodesy, History of Geodesy, etc.

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### MAGAZINES RECEIVED.

Scribner's Magazine for February, by Chas. Scribner's Sons. Published by Charles Scribner's Sons, New York, N. Y. Price 25 cents per copy.

Lippincott's Monthly Magazine by J. B. Lippincott Co., Philadelphia, Pa.

The Forum for February, by Walter H. Page. Published by the Forum Publishing Co., New York, N. Y. Price \$3.00 per annum.

Isaac Pitman & Son's Shorthand Student's Note-book, by Isaac Pitman & Sons, New York, N. Y.

The Review of Reviews for February, by Albert Shaw. Published by the Review of Reviews Co., New York, N. Y. Price \$2.50 per annum.

McClure's Magazine for February. Published by S. S. McClure, New York, N. Y. Price 15 cents per copy.

Educational Review for February by Nicholas Murray Butler. Published by Henry Holt & Co., New York, N. Y. Price \$3.00 per year.

The North American Review, by Lloyd Bryce. Published at 3 East 14th Street, New York, N. Y. Price \$5.00 per annum.

The Arena for February, by B. O. Flower. Published by the Arena Publishing Co., Boston, Mass. Price \$5.00 per annum.

Young People's Magazine for February. Published by Eaton-Dunlap Co., Boston, Mass. Price \$1.00 per annum.

A Chart of the Presidents' Lives and Official Terms has been issued by the Peckham, Little & Co., 56 Reade Street, New York. Price 25 cents.

Scribner's Magazine for March. Published by Charles Scribner's Sons, New York, N. Y. Price 25 cents per copy.

McClure's Magazine for March. Published by S. S. McClure, New York, N. Y. Price 15 cents per copy.

The Review of Reviews for March, by Albert Shaw. Published by the Review of Reviews Co., N. Y. Price 25 cents.

Lippincott's Monthly Magazine for March, by J. B. Lippincott Co., Philadelphia, Pa. Price 25 cents.

### SPECIAL STUDIES



PETER KIENE, Jr.,  
Member of the School Board,  
Dubuque, Ia.

Dubuque, Ia. Mr. Kiene's motion to make Kindergarten a permanent part of the school system was adopted.

Winona, Minn. Board has cut down the study of German. Yale has discarded fencing.

The growth of the Isaac Pitman system of phonography in

America receives extended treatment in the last issue of the "Business Journal."

The second annual meeting of the Western Drawing Teachers' Association will be held at Aurora, Ill., on March 28, 29 and 30.

### QUESTIONS AND ANSWERS.

In this column we shall answer each month all inquiries which may be addressed to us on matters pertaining to education or practical school affairs. If an answer by letter is required, a stamped self-addressed envelope should be enclosed.

X X. San Jose, Cal. If you will communicate with the Thos. Charles Co., Chicago, you can get price lists and other information on Kindergarten material.

Member, Iowa. Yes, the Fuller & Warren system of heating and ventilation is still being put into school houses. We do not know to what extent, nor about the improvements you speak of. Second.—Several accidents have been recorded within recent years. The steam pipes burst in the school rooms.

Chas. B. Stiver, Downer's Grove, Ill.: The

government does not furnish military instructors to public schools except to military academies and colleges having at least 150 male students.

S. N., Norfolk, Va.: Yes, D. C. Heath & Co. have several offices. Their home office is located at Boston, Mass.

Boston's Common Council, after a hot debate, deferred action on a resolution to abolish the School Board.

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*Lucy W. Lewis.*

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## AMONG BOARDS OF EDUCATION

Winona, Minn. No more school entertainments can be given without the consent of the board.

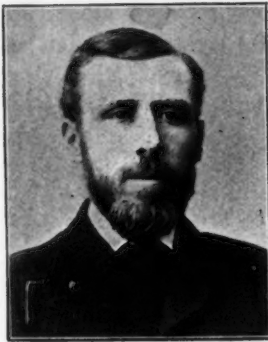
Hokah, Minn. The school board has decided that the parents of children attending the sectarian schools shall be prosecuted under the compulsory school law.

Luling, Tex., board hereafter exempts all pupils having 90 per cent. in studies and 95 in conduct, from examinations.

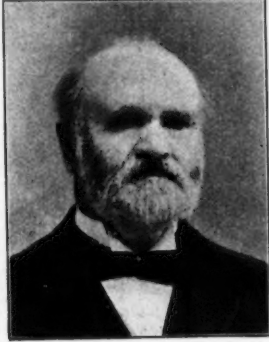
Sioux Falls, S. D. The graduating class of the high school has petitioned the board to abolish the custom of graduation orations, using as an argument the time lost in their preparation.

## FOR TEACHERS.

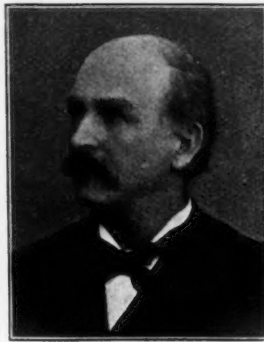
It is frequently the case that scholars of various ages are afflicted (thick or swelled neck) originating from diverse causes, also sore throat in its various stages, including diphtheria and all other mucous membrane affections. Dr. Henry H. Hayssen of this city, has the only absolutely sure, simple, and inexpensive cure.



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Secretary School Board,  
Alexandria, Minn.



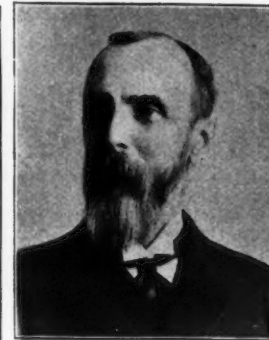
P. P. BRADISH,  
Clerk Board of Education,  
Batavia, N. Y.



REV. J. H. MATHER, D. D.,  
Sec'y. School Board,  
Bellwood, Pa.



J. L. COMPTON,  
Secretary School Board,  
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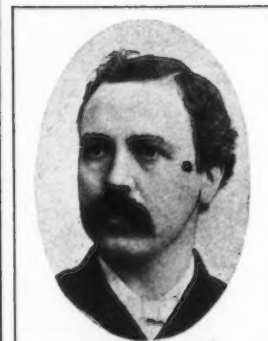
Yours truly,

A. ZORN (teacher), Wauwatosa, Wis.  
You will confer a great favor to any one afflicted, if you will call their attention to this article. See display advertisement in another column.

WILLIAM MEYST.

It is safe to say that one class of men in a school board contributes considerably more towards the progress of a school system than any other class. There are always a number who are indifferent as to the welfare of a school system while others are thoroughly alive to all its interests. The latter class of members is attentive, prompt in Committee and Board meetings and ready to exert their best judgment on all measures proposed, and ready to make new departures whenever this may seem feasible or desirable.

To this class Wm. Meyst, of the Milwaukee school board may be added. Being himself a bright, energetic and successful business man he applies the same talent to his work in school affairs. No teacher, parent or pupil, ever leaves his office without having had kind and impartial treatment. Any action coming before committees or open board never fails to receive careful attention at his hands. Keen judgment and earnestness is exercised by him at all times.



WM. MEYST.

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Over 600 applications have been received by the Indianapolis board for admission to the proposed manual training department of the high school.

## A GRATEFUL WOMAN.

I am so thankful that Mrs. Wymen told her experience in your columns last month. My husband has been sick and we have several small children, and I had to do something. Mrs. Wymen's success with the plater led me to believe that I could make a little money too. I obtained a plater for \$5 and have been plating for the last three weeks, as I



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could find the time to leave the house, and have made \$36.50. I would not have believed that it was so easy to make money with the plating machine. Everybody has a little work they want done, and I sold two plating machines and made \$5 apiece on them to friends who wanted them for their children. Anyone can plate and anybody can succeed, as I have done. There is no experience needed. My husband says when he gets well he is going into the plating business. Anyone can obtain circulars by addressing H. F. Delno & Co., Columbus, Ohio, where I got my machine.

MRS. TORRY.

The city election at Wilkesbarre, Pa., hinged on the question of the adoption of manual training in the public schools, and its advocates were defeated.

There is something of a rumpus at Pine Island, Minn., over Saturday sessions of the high schools.

Osceola, Ia., board officially requests teachers to abstain from card and dancing parties.

New York City has not yet reached the point where women become members of the board of education, but Mayor Strong has done the next best thing in appointing a woman school trustee. The appointee is the wife of Rev. Dr. Rainsford.

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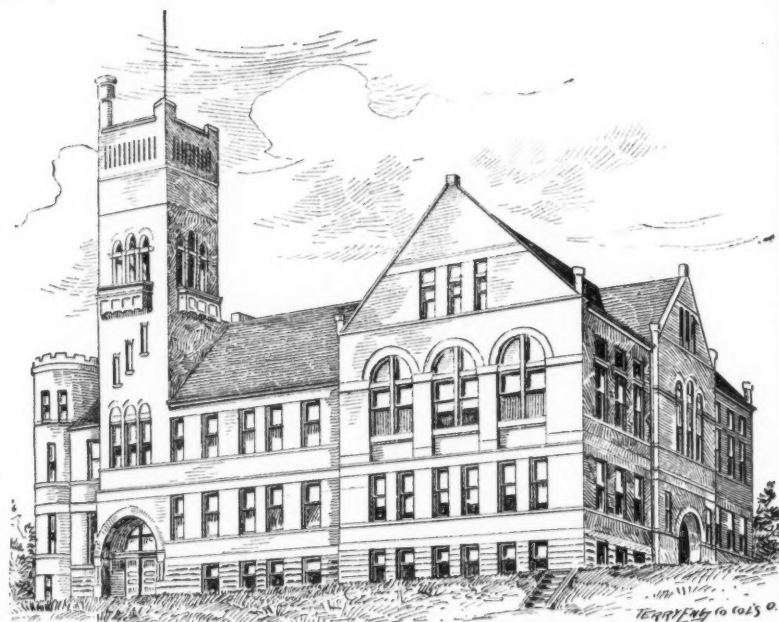
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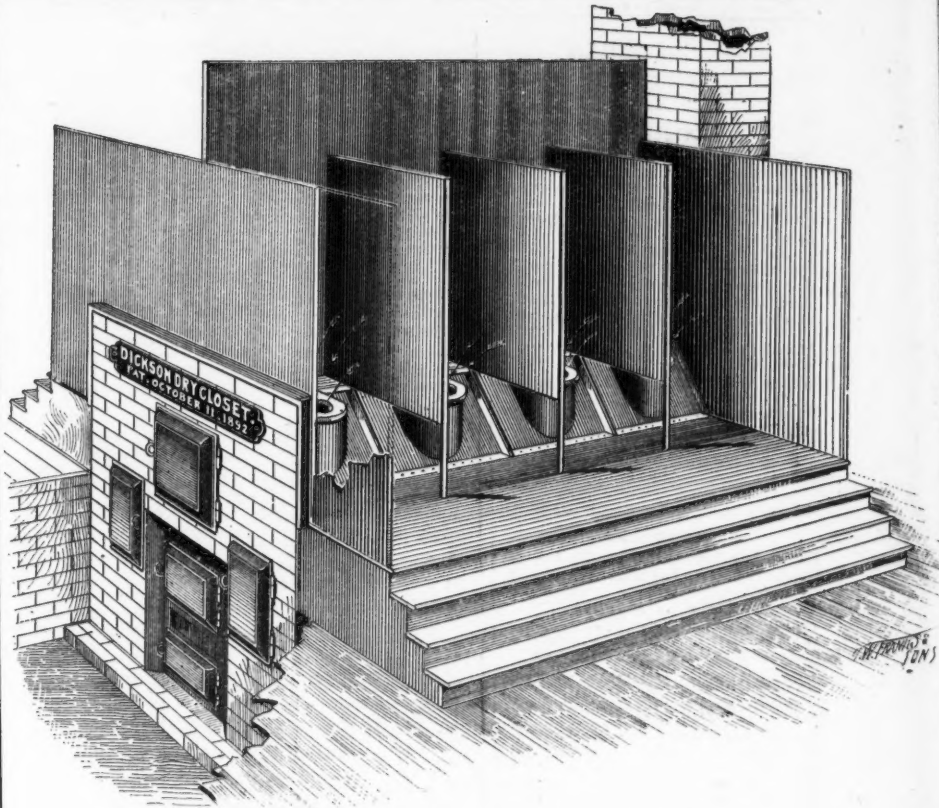
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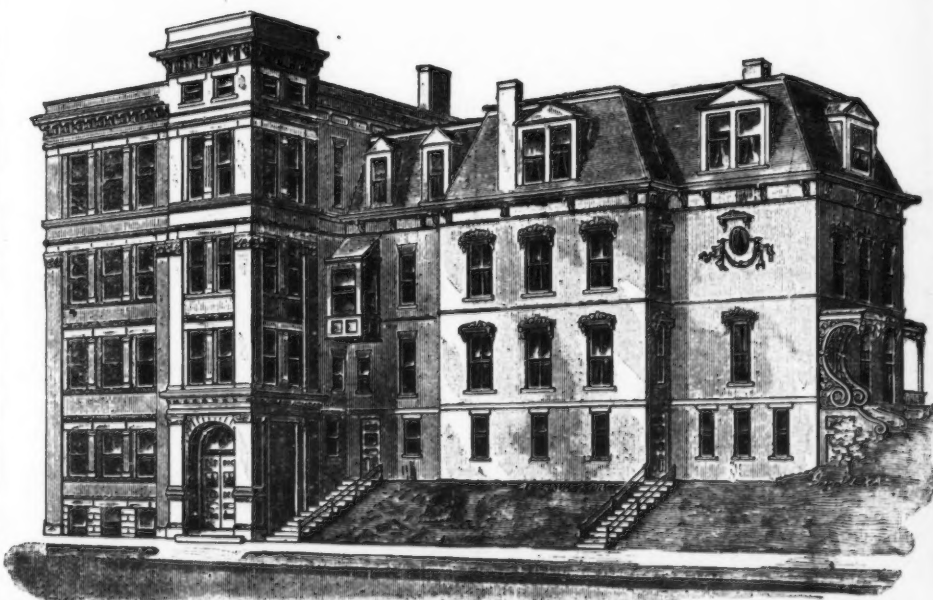
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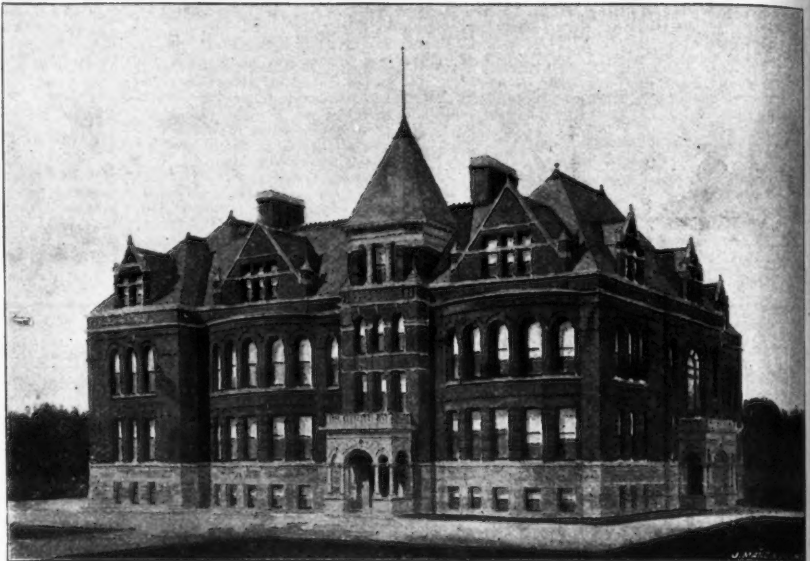
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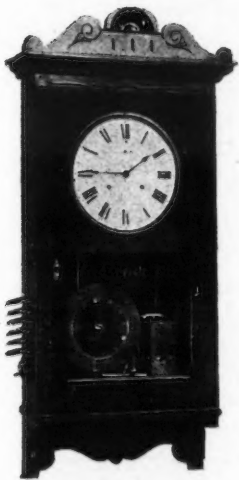
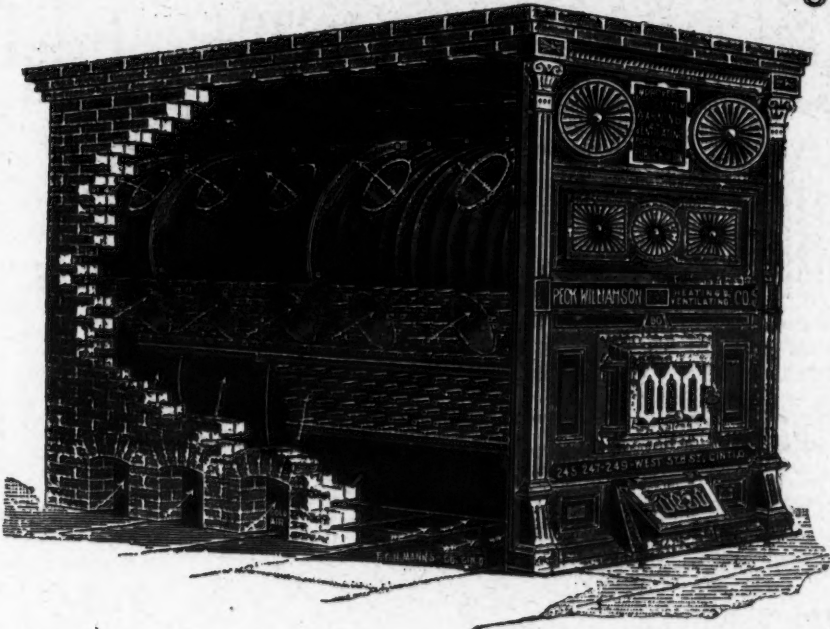
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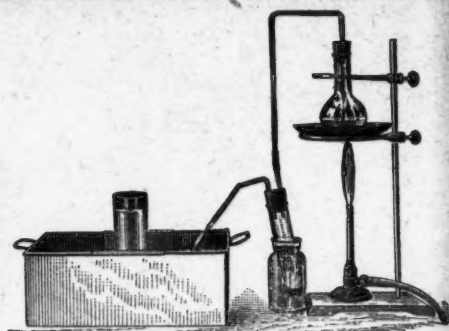


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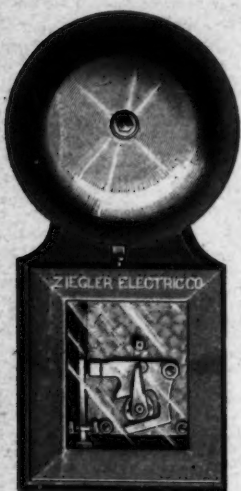
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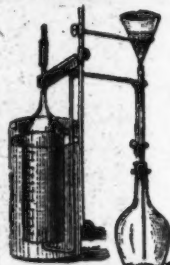
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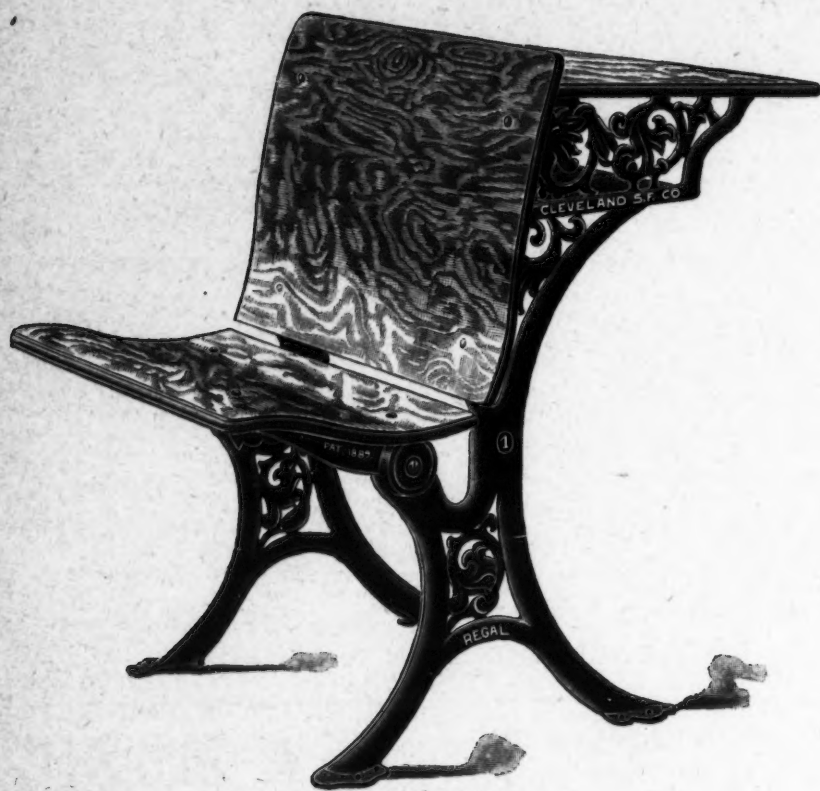
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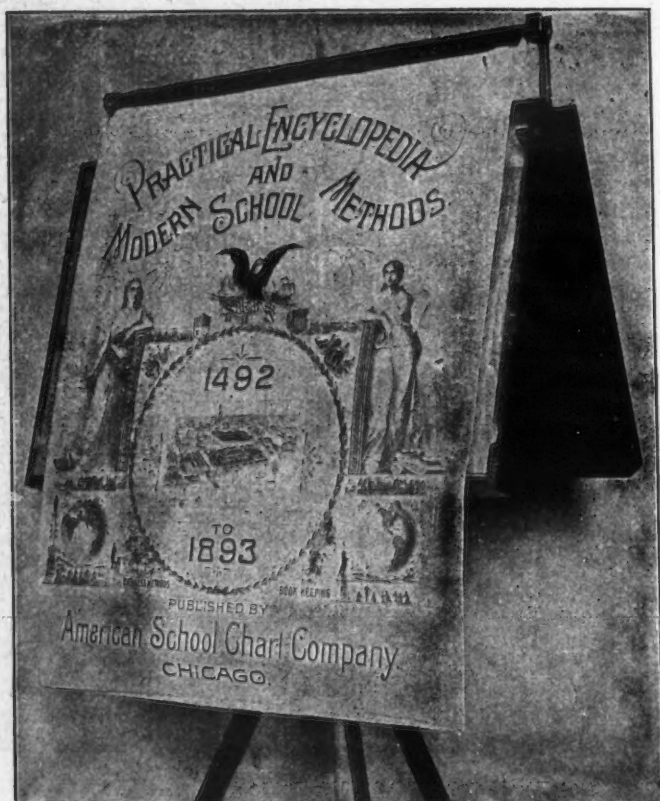
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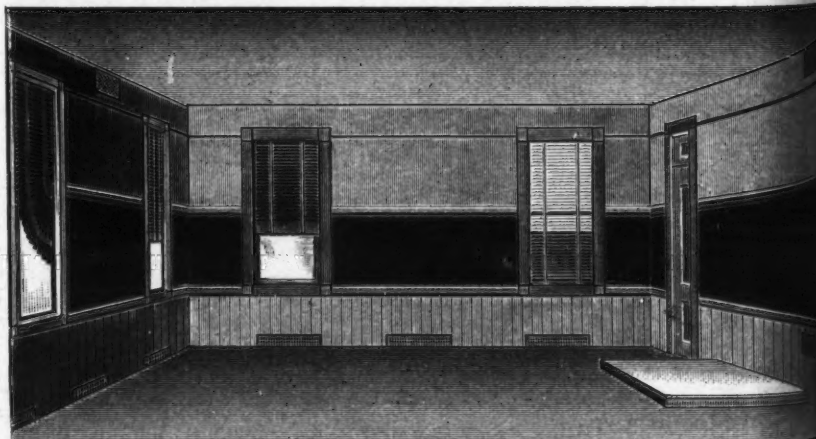
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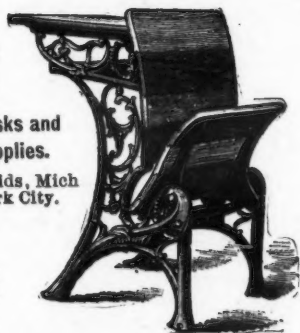
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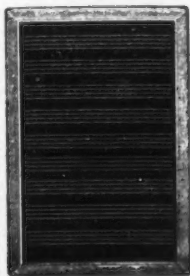


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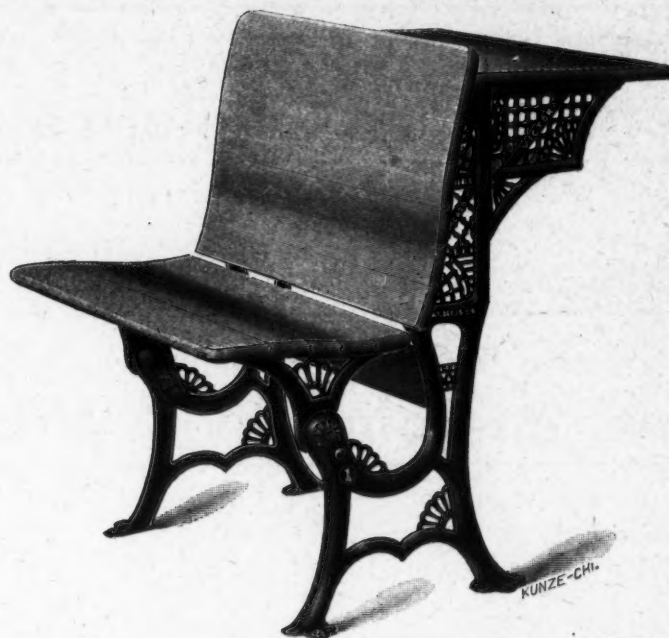
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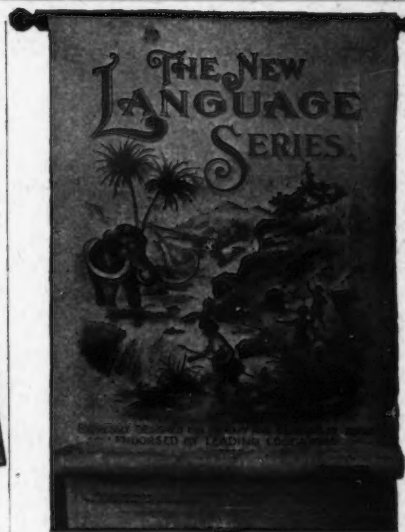
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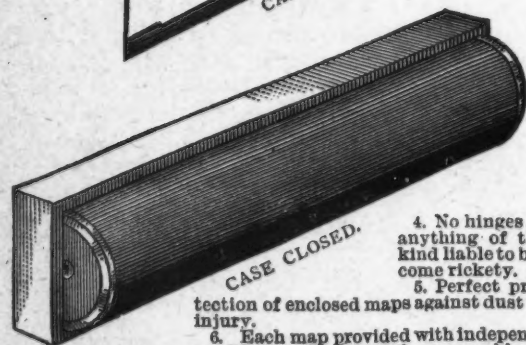
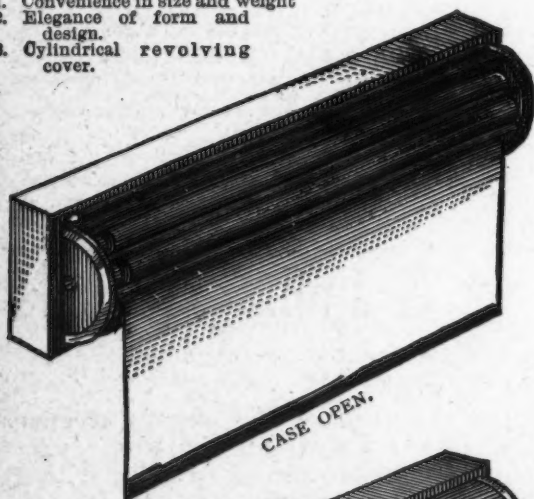
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**ANOTHER CONVENTION OF SCHOOL  
BOARD MEMBERS.**

*Continued from page 4.*

qualifications which should be considered by a Board in passing upon all applicants, he classified these into moral character, natural ability, or aptitude for teaching, educational advantages, the length of time it was proposed to teach.

In elaborating this last point, he said statistics showed that the average number of years that the teachers of Illinois remained in work was 3.9-10. He thought this a serious detriment to the schools, and said he did not favor employing teachers who did not look upon teaching as their life work, and not simply a stepping stone to law, matrimony, or some other occupation. He thought it a good thing to employ some teachers who were residents of the city in which they taught, and who were graduates of the High Schools of that city, although he would not have an entire corps made up of local teachers, believing in the leavening influences of teachers brought in from the outside, and who had had experience in a different environment. He did not state what preparation he would require of High School graduates in his own city, whether he put them into the schools immediately after graduation; whether he would have them go away for professional training; whether he would have them go through a local Training School, or whether he would put them into the schools after they had enjoyed the benefit of the cadet system in operation in some cities. He emphasized especially what to him seemed to be the rights a teacher relative to dismissal. He thought Boards should proceed very cautiously in this matter, giving the teacher the benefit of every doubt, on the assumption that the pupils and their parents were much more likely to be in error than the teacher, when complaints were circulated relative to a teacher's acts and qualifications. He seemed to think that the only legal grounds on which a teacher once employed could be dismissed, were immorality, and failure to obtain a County Superintendent's certificate. One of the best points made by Mr. Graff was that no schedule of salaries adopted by a Board should fix a limit of salary for a good teacher. He said a Board should be free to pay its strongest teachers the highest salary it could afford, without any reference to a graded schedule, thereby employing one of the most effective means of stimulating all the teachers of a corps.

William S. Mack, of Aurora, in discussing this question, held that a board would come nearer discharging its obligation to the people of a community and to their children by employing for superintendent of their schools a person whose recommendation they could safely follow in the employment and dismissal of teachers, contending that it was oftentimes wholly impracticable and impossible to secure the best teachers, if a board insisted upon an applicant appearing before it in person. He said it was a board's duty to obtain the very best teachers possible, for the money available for this purpose; that in order to do this, it should employ a superintendent in whose professional ability it had implicit confidence, and should send him out at the expense of the district, to look up good teachers, visiting their schools, for the purpose of actually seeing them at work in the schoolroom. He said in his estimation, it was absurd to expect to get the best teachers in any other way. Such a policy, he believed, would dignify the position of a superintendent, by giving him credit for professional sagacity and intelligence, and by stimulating his professional pride. Further, he believed that such a policy pursued by a board of education would be a potent influence in raising the qualifications of teachers, who would quickly see the impossibility of deception or evasion when selections were based on actual observation of their work by a professional expert. Mr. Mack contended further that a superintendent's report on a teacher's incompetency should result in prompt action by the board, and that the instances were very rare when a board could afford to retain a teacher after such a report had been made. It was simply a question of confidence in the superintendent. A board should consult freely with its superintendent concerning all matters relating to teachers; would probably oftentimes differ with him and try to change his attitude in specific cases, but should, in taking

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final action, be governed by his recommendation as the responsible executive officer of the board.

Owing to absence on account of sickness of Judge Wheeler, of Springfield, Mr. Clinch, of Elmwood, and Hon. Geo. S. Doughty, of Bushnell, Mr. Mack opened the discussion of the question: "What can School Boards do for the Schools?" The principle point which he emphasized and elaborated in this connection was that boards would never begin to do the best thing and the essential thing for the schools, until they began to administer the schools of their respective localities more in the interest of the child, and less in their own selfish interest and in the interest of the teachers, and of church and political organizations. He thought making the public school the institution of the child and dedicating it to the highest purposes implied when the State committed itself to popular education, would lead to a revolution in school administration—would place in our schools only the best teachers, the best text-books and the best appliances; would give us school buildings conforming in all particulars to approved rules of sanitation; and would introduce the quality of beauty, the love of which is universal, into the furnishing of school rooms.

In other words, Mr. Mack claimed that the thing most needed by all school boards when the members came together to legislate for the schools of the city or the district, was a quickened feeling for the pupils whose interests are paramount, and to whom the board, as trustee, is bound to guarantee certain obvious rights and privileges provided by the laws of the State.

The discussion of this question was participated in by quite a number of the members, including Mr. Lawson, Dr. Morris, of Mason City, Dr. Coleman, of Canton, and Mr. O. T. Bright, Supt. of Cook County schools. Mr. Bright made a plea for the employment of the same common sense methods in running schools that are used in running a railroad and a bank. He said he never heard of a Board of Directors running a railroad. He said, as was well known, they employ experts to do this, and hold them responsible. To manage any business involving large interests required, he contended, that there be a single responsible executive head, in whose hands it was safe to place a great amount of power. He said no private business was ever built up without such management, and it was just as absurd to expect a good system of schools to be developed unless essentially the same business methods were followed.

During the discussion of the afternoon, it was brought out incidentally that many Boards in the state were not raising enough money on the two per. cent. levy allowed by law for running expenses to carry on the schools, even in an economical way. It was shown further that several Boards in the state, in addition to the levy of two per. cent. for running expenses, were levying for building purposes, and were using this latter money for general school expenses. It was held

*(continued on subsequent page.)*

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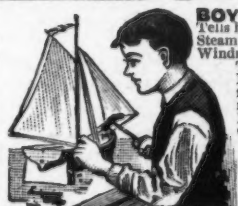
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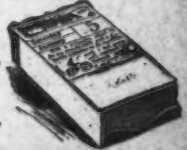
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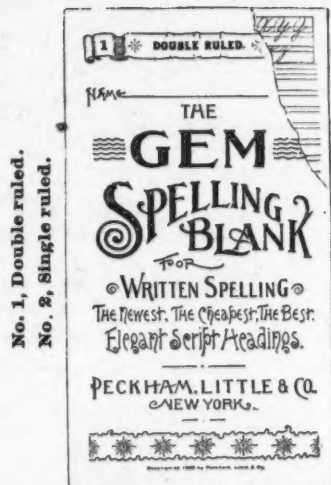
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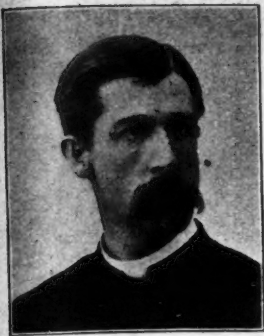
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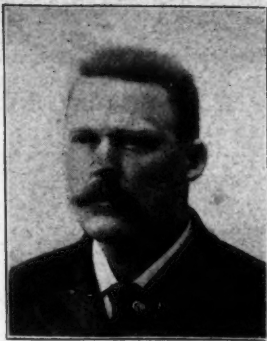
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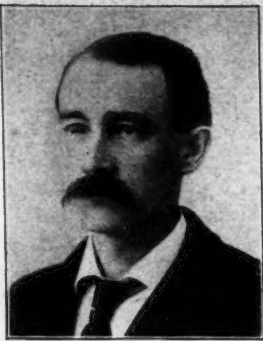




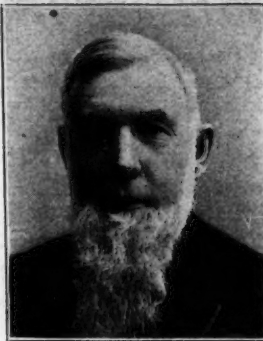
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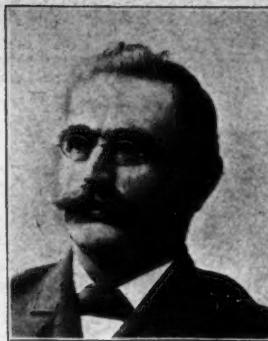
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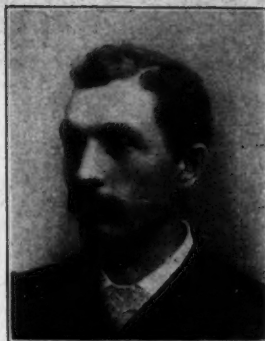
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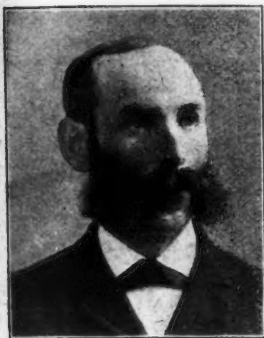
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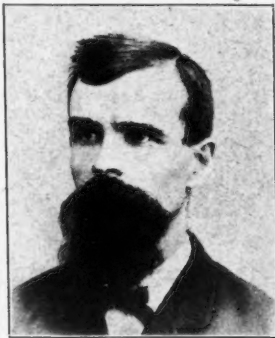
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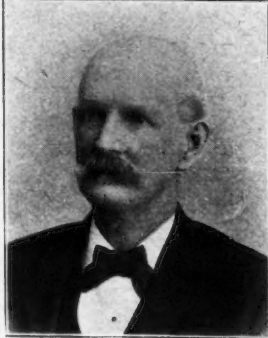
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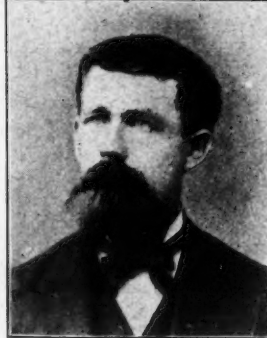
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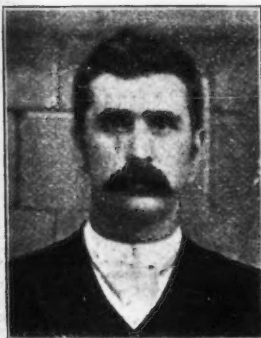
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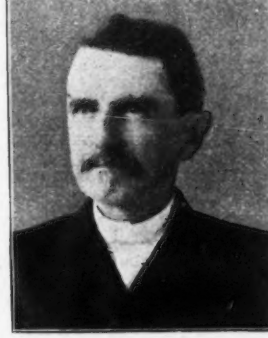
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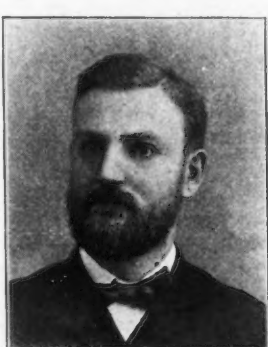
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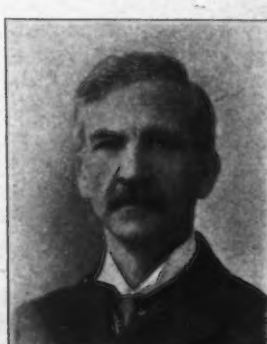
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## SCHOOL OF MYTHS.

The Chicago Kindergarten College will hold its eighth annual literary school during Easter week, in the College hall, No. 10 East Van Buren St., beginning Monday evening, April 15, and closing Saturday morning, April 20. There will be ten lectures, each lecture followed by a discussion. The morning sessions of the school begin at ten o'clock and the evening at eight o'clock. These literary schools are entirely unique, and are peculiar to this college. One of the four of the world's great poets—Homer, Dante, Shakespeare, Goethe—is always made the center around which are gathered the most vigorous thinkers, and the ablest writers on the particular poet whose works are to be discussed. Mr. Denton J. Snider, the author of eight or ten volumes of commentaries on these poets, is the director. He always gives a course of preparatory lectures to the students and friends of the college and these schools, and thus creates an atmosphere in which the spirit of the poet can breathe when it is called forth to interpret the writings which students and critics find so interesting century after century. In fact, philosophical and artistic interpretation of the world's great literature is the main object of these schools and their relation to all true education.

This year the poet selected for the lectures and discussions, is Homer, and the Odyssey is the center around which the myths of the world are to be gathered, and their value as an educational factor is to be discussed. There will be lectures on Folk Lore, Fairy Tale, the Classic Myths and their influence on the great art of the world and race unfoldment.

The lecturers this year are Prof. Richard G. Moulton, Prof. Frederick Starr, Mr. Hamilton W. Mabie, Rev. H. W. Thomas, Rev. N. D. Hillis, Mrs. Caroline K. Sherman, Miss Elizabeth Harrison, and Mr. Denton J. Snider, and many distinguished literary men and women will be present to take part in the discussions which follow the lectures.

The American Music System for public schools, advertised in another Column is attracting much attention. It is strongly endorsed by leading educators and master musicians. Twelve of the thirteen normals of Pennsylvania are teaching the method, and has been adopted by many cities and towns, including Philadelphia and Brooklyn; in the latter it supplants all other methods in their training school. It is claimed that this is the only method provided suitable material for primary grades.

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Members of the National Education Association, for pleasure and profit, take advantage of the very low rates offered by the Denver & Rio Grande Railroad, the Scenic Line of the World, for summer tours among the Rockies. From July 6th to 20th tickets for the famous tour "Around the Circle," a trip among peaks, over passes, through canons, and comprising more noted scenery than any similar trip in the known world, will be sold at \$20.00, final limit September 1st, 1895. On July 13th and 14th, tickets will be sold from Denver, Colorado Springs, and Pueblo to Salt Lake City and return at \$20.00, final limit August 25th, 1895. From July 10th to 17th inclusive, the following low one day excursion rates will be in effect: Denver to Larkspur (Perry Park) and return, \$1.40; Denver to Palmer Lake and return, \$1.50; Denver to Colorado Springs and return, \$2.00; Denver to Manitou and return, \$2.25. Tickets good to go and return same day only.

The Manitou & Pike's Peak R'y will sell tickets from Manitou to the Summit of Pike's Peak at \$4 for the round trip. The round trip from Denver can easily be made in one day.

## NEW CURE FOR CANCER.

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## TO THE TRAVELING PUBLIC.

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## PAY FOR "SPECIAL MEETINGS."

Information from various sources indicate that members of boards of education in Ohio have been violating the state law in that they have demanded and received pay for attendance at special meetings. The following from Thurston makes clear the condition of things in that place. The letter is addressed to State School Commissioner Corson:

"Our Board of Education, by special resolution, compels school supply agents to deposit \$2 per member with the clerk before a special meeting can be called. This money is then paid to the members as compensation for their day's work. Is such resolution legal? Can the Board legally purchase goods at such special meetings? Are members of the Board of Education permitted legally to purchase supplies, such as blackboards, and realize \$25 for their trouble as members of the Board of Education? I would consider it a great favor to receive your reply at once. I would not accept the \$2 when handed to me by the clerk.

It is needless to say that the State School Commissioner informed the anxious inquirer that such action is illegal.

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Sioux City, Ia. The board will allow no more young people club meetings in the schools.

Chattanooga, Tenn. Board has authorized the Superintendent to organize a boy's brigade among the pupils.

## FOR SCHOOL BUILDINGS.

Among the latest devices gotten out that are particularly adapted for sanitary plumbing in school houses is the new automatic flushing rim water closet range, which our representative found in operation at the show-rooms of the Rurdle-Spence Mfg. Co. This range can be made with any number of seats ranging from two to twelve, and the outlet, or waste end, either right or left hand as may be desired. One of the important features we noticed in connection with this outfit was the automatic tank; which can be regulated as to the amount of water wished to be discharged, and to the period of flush. This part of the apparatus is generally attended to by the janitor and when once regulated so as to meet the requirements, needs no more attention, as there are positively no working parts to get out of odor. The range proper, or trough portion of this fixture, is made with a slight elevation near the outlet end, which retains a sufficient quantity of water to prevent fouling or drying up. At every discharge of the tank the trough portion is thoroughly flushed on both the front and back parts by an ingenious method of connecting brass pipes with the main flushing pipe leading from the tank to the range. By this mode of flushing both the bottom and sides of the range, they claim, it would be impossible for any soil or foreign substance to remain in the trough.

Ranges of this style are made in either enameled iron or painted iron, and with cast iron partitions, or if the builder prefers to use wood partitions instead of iron it can easily be arranged so as to leave the iron partitions out.

## THROUGH SERVICE.

The Nickel Plate Road (N. Y. C. & St. L. R. R.), the Favorite line between Chicago and the East along the South Shore of Lake Erie, being the shortest line to Cleveland and Buffalo, offers a splendid through car service to all classes of passengers. Magnificent Wagner Sleepers and dining Car daily on through trains to New York and Boston. For reservations of Sleeping Car space and further information address, J. Y. Calahan, General Agent, 199 Clark Street, Chicago, Ill.

## BOOK REVIEWS.

(Continued.)

by some of the members that by the present plan of assessing property, at two per. cent. levy, would never give sufficient money to enable districts to maintain an efficient school system, and that the only way out of the difficulty was to change the present assessment plan, or extend the limit from two to two and one-half, or three per cent. for running expenses. A resolution was presented and adopted, stating that it was the sense of the meeting that the limit be made three per cent. for running expenses, and two per cent. for building purposes. A committee was appointed by the Chair to see that this resolution was properly embodied in the resolutions of the general association, and that steps be taken, if it was thought advisable, to bring this matter of school levy before the State Legislature at this session.

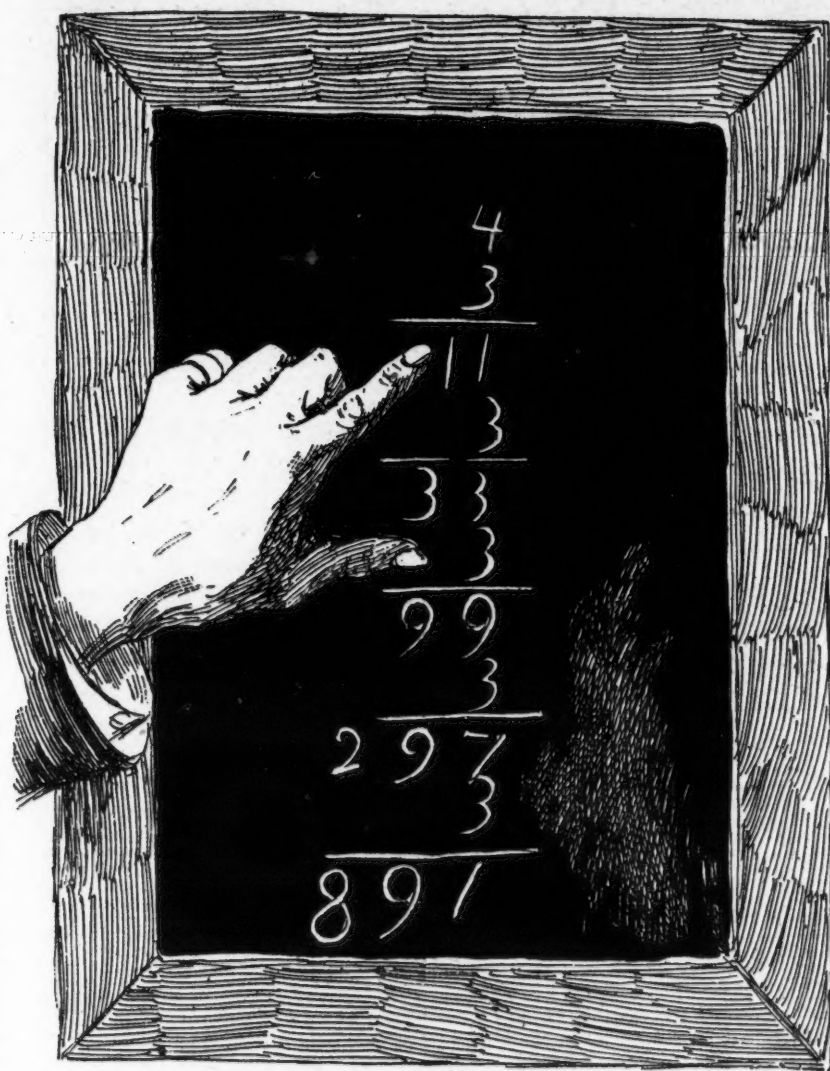
Before the Section adjourned, a resolution was adopted relative to the Kindergarten bills now before the State Legislature, and endorsing one which provides that the establishment of kindergartens in districts be left to the option of Boards of Education. A committee was appointed to see that this resolution was properly engrossed and forwarded to the Chairman of the House and Senate Committee on Education.

Mr. Switzer, of the Galesburg Board, made an excellent presiding officer, introducing the topics and speakers in a very happy way, and participating several times in the discussions in a manner which indicated that he was not the antiquated member of the Galesburg Board, if that Board is unfortunate enough to have such a member.

## TRUTH IS MIGHTY.

If you have Rheumatism, Gout, Lumbago, Sciatica, Scrofula, etc., when doctors fail to cure you write to me and I will send you, free of cost, a package of the most wonderful remedy which cured me and hundreds of others, even cases of twenty-two years standing. This is no humbug or deception. Anyone suffering will find this remedy a great blessing. Address, John A. Smith, Milwaukee, Wis.





### AN ERROR IN THE BEGINNING.

Begin correctly and you will be on the right road.

### AN INSTRUCTOR SPEAKS.

From the report of Mr. John B. Moran, Instructor in Hygiene, of Boston, Mass., Schools: "It will not only secure a steady and comfortable heat in the rooms, but will effect a *saving of fuel*, so that in a few years it pays for itself. I speak rather urgently on this matter because I know it can be made a benefit and a blessing."

## The Johnson System of Heat Regulation

Is now in use in hundreds of school buildings in the United States. The most important public buildings are equipped with it—as well as many private homes. For more complete information write to . . . .

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(Please Mention School Board Journal.)

## A Wrong Start!

A school board that starts off wrong will increase the error as time goes on. A heating system that has no systematic mode of regulation will enlarge the fuel bills from year to year and worry the school officials as well as the tax-payers.

The world is full of kickers, and school boards suffer from this species as much as any other public body. When mistakes are committed we see them but we do not always see the cause unless we trace back to the beginning. A modern school house must have a *regulated* heating system. It must not be too hot or too cold. Either extreme is a waste—one in fuel, the other in health—and in fact, extreme heat in a school room is a menace to good health too.

But to sum it all up, it is *economy* in every sense to regulate systematically the heating system. The Johnson system pays for itself in a short time. It saves thousands of dollars on fuel bills thereafter.

## Saves 100 Tons Annually.

The annual report of the Superintendent of Public Buildings, of Worcester, Mass., for 1893 says: "Owing to the large consumption of coal (359 tons) at the English High School, the Committee on Public Buildings recommended, and there has been applied, the Johnson System of Heat Regulation at an expense of \$1,300.00. This has resulted in a decided saving in coal, *estimated to be about 100 tons*, the present year."



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ACCOMPLISHED SOMETHING.

RURAL BOARD MEMBER:—Hasn't Ike Smith's system given lots of heat?  
SECRETARY SCHOOL BOARD:—Yes, lots of heat. So far, however, the heat has been confined to the discussions in the board. They were red hot.

It is one thing to purchase a heating system at Ike Smith's hardware store and quite another thing to adopt a system that has a national reputation, and is constantly being placed in hundreds of the best school houses of America.

A new school house is an important venture. Several generations of children will have to live in it. The tax-payers collectively pay for it. The school authorities are the responsible guardians. Mistakes and experiments are costly and vexatious. The question of heating and ventilation is the most serious. A defective system eats into the coal pile and the school fund.

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The Fuller & Warren system insures complete ventilation. Fresh warm air is constantly infused into the school rooms, meeting every requirement of the most eminent scientific authorities on this important subject. It defies improvement.

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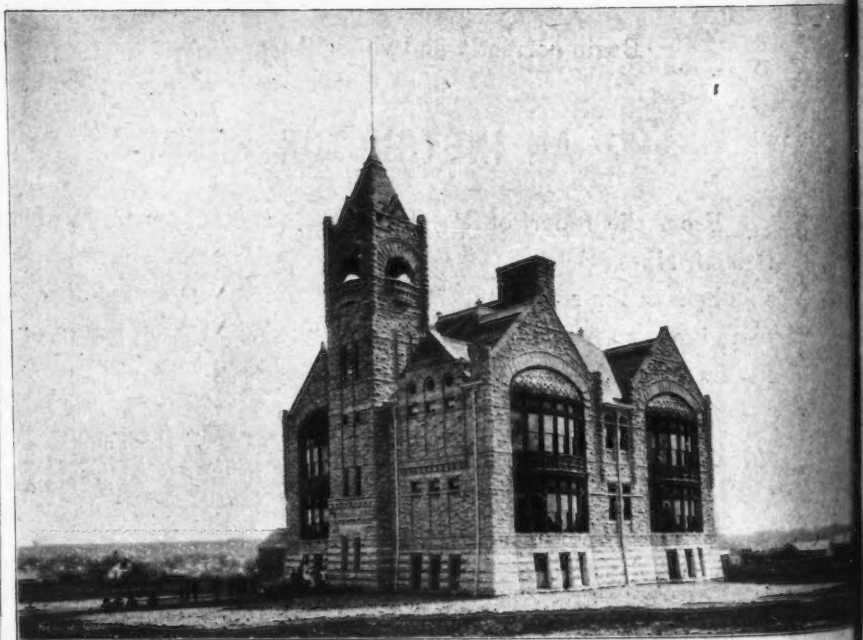
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Charles R. Van Hise.  
William H. Hobbs.  
J. Morgan Clements.

MADISON, WIS., Jan. 16, 1895.

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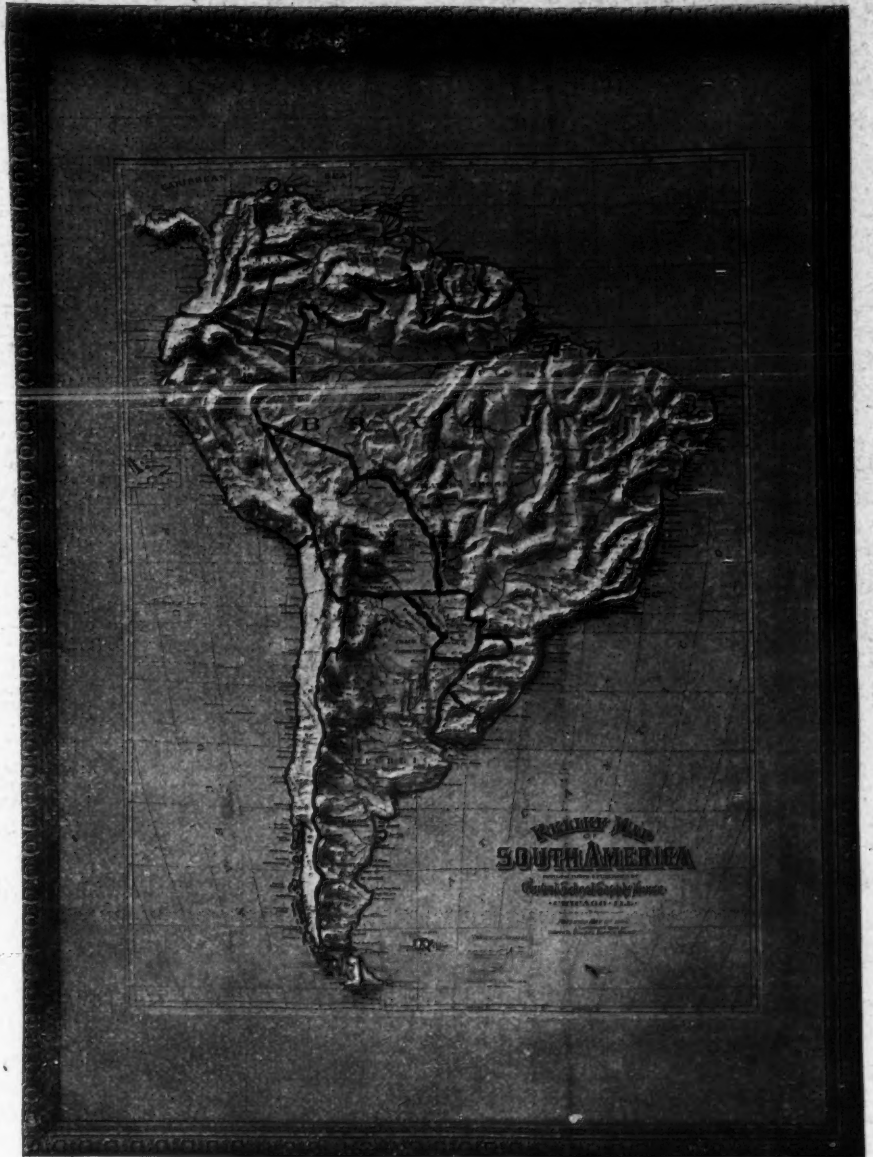
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PRÄKTISCHES ÜBUNGSBUCH DER DEUTSCHEN SPRACHE. By H. L. Wedekind. George Brumder, Milwaukee.

Mr. Wedekind, for many years teacher in German-American schools, has undertaken to furnish a book that promises to lead the student to a knowledge and understanding of the German language and which might serve the teacher as a trusty guide in orthography, grammar and style. The author has avoided abstract rules whenever and wherever that were possible, and has presented the exercise in a form that would necessarily evolve the rule applicable.

The author is very well aware of the great number of works of this kind, but he found them not well adapted for use in German-American schools, either because they were too voluminous, or because they were not adapted to the special necessities of our schools, or, lastly, because they are at variance with the spirit that would pervade their schools.

L. S.

THE BOOK OF JOB. Edited by Samuel L. Jackson, D.D. LL.D. Cloth, 24 cts. Maynard, Merrill & Co.

The revised version with the American revisers' preferences incorporated. There are foot notes explanatory of passages not easily understood. We are glad to see this grand old epic brought out in the English classic series. It is to be hoped that more of the best Hebrew literature will be brought out in this or some similar form.

S. M. B.

MACAULAY'S AND CARLYLE'S ESSAYS ON SAMUEL JOHNSON. Edited by Wm. Strunk, Jr., Instructor in English, Cornell University. Boards, 192 pages. Henry Holt & Co.

An introduction of about forty pages gives sketches of the lives of the essayists as well as of Johnson and Boswell. Croker, whose edition of the "Life of Johnson" called forth such severe criticism, is also presented to the reader as a member of parliament and an active adversary of Macaulay. The relations between the several writers are stated, with explanatory notes and comments on the essays. An old-time picture of Johnson makes a frontispiece.

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A primer or first reader for primary grades, with plenty of illustrations of animal and plant life, an occasional page containing some choice selection from Burroughs, comments and questions intended to guide the teacher in a conversation with children, and anecdotes about animals.

HERBERT AND THE HERBERTIANS. By Charles De Garmo, Ph.D., President of Swarthmore College, Pennsylvania. Charles Scribner's Sons.

John Frederick Herbert, born at Oldenburg, May 4, 1776, was, in most respects, the greatest of the three men who

have left their impress upon the educational system of the German-speaking people. He early showed a leaning to philosophical studies and, at the age of thirty-three, became the successor of Immanuel Kant at the University of Königsburg. His philosophical studies, lectures and writings were devoted largely to the theory and practice of education; and the author of this book says of him: "While Pestalozzi was dealing with the unkempt urchins of poverty, and Froebel with the children of the kindergarten, Herbert was in the University instructing the future leaders of thought." He speedily became one of the most popular and attractive lecturers of his time, as he was one of the ablest, and exerted a lasting influence upon modern philosophical thought.

This volume, which is one of "The Great Educators" series, presents, in compact and very convenient form, the leading features of his system of education, their applica-

tion and extension in Germany, and their introduction in America. There is not space to give here even an outline of his system, but the author's brief summary of it may be introduced as sufficient to indicate its character and scope, as follows: "1. The development of a psychology capable of immediate bearing on the problems of teaching; 2. The scientific application of this psychology to education; and 3. The revelation of the possibility of making all the activities of the school room, including especially instruction, bear directly upon the development of moral character."

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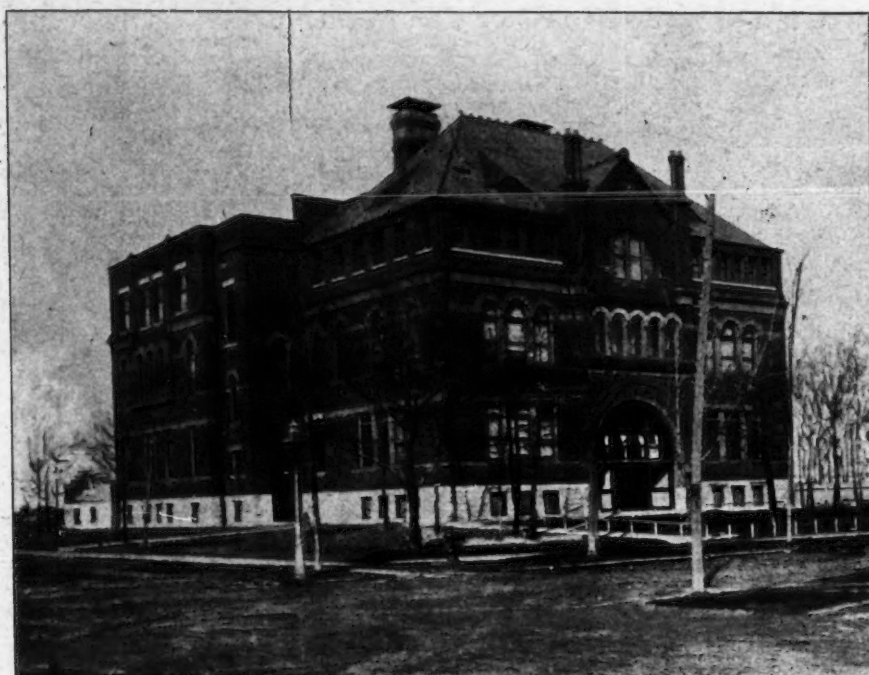
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## BOARDS AND THE CIGARETTE EVIL.

Flint, Mich. Pupils caught smoking on school grounds will be expelled.

Caffreyville, Kas. Resolution adopted by board "that any pupil discovered smoking cigarettes during the time he is under the jurisdiction of the superintendent and teacher, shall be expelled."

Flint, Mich. Children are forbidden to smoke. Second offense to be followed by expulsion.

## DEAFNESS CANNOT BE CURED

By local applications as they cannot reach the diseased part of the ear. There is only one way to cure deafness and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the eustachian tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars (\$100) for any cases of deafness (caused by catarrh) that cannot be cured by Hall's Catarrh Cure. Send for circulars free.

F. J. Cheney & Co., Toledo, Ohio.  
Sold by all Druggists, 75 cts.

## TEACHERS' SALARIES.

New Bedford, Mass. Superintendent's salary fixed at \$3,000.  
Central City and Center Point, Iowa, pay their grade teachers \$30 per month; Fairfax and Coggen \$33, Walker \$35, Lisbon, Mt. Vernon and Springville pay \$40, Marion \$42.50, and Cedar Rapids \$45.  
The superintendent of schools of Law-

rence, Mass., receives a salary of \$2,500 per annum and allowance is made for carriage hire used in visiting schools.

## FREE TO THE LADIES.

All imperfections of the skin, such as freckles, pimples, sunburn, etc., positively removed by the use of "Clover-cream." Persons ordering, and mentioning this paper, will receive a 25 cent cake of "Clovercream" complexion soap free. Sent by mail prepaid to any part of the United States on receipt of price, 50 cents. Address Greenwood's Pharmacy, Grand Ave. and Seventh St., Milwaukee, Wis.

## SCHOOL FINANCE AND BUILDING.

Omaha, Neb. The board proposes to decrease the school expenses next year from \$450,000 to \$400,000 in the following manner: By reducing the school term from ten months to nine, saving thereby \$30,000; by cutting off all telephones, except those in the offices of the secretary, superintendent and custodian of buildings, etc.

Eau Claire, Wis. Board adopted plans of Van Ryn & Lesser, architects, of Milwaukee.

## ARE YOU SUFFERING

With Rheumatism or have you a friend who has tried everything and is not cured. If so, try the "Sure Cure Remedy." Cure positively guaranteed or money refunded. Manufactured only by John Laubenheimer, Room 2, 315 1/2 Grand Ave., Milwaukee, Wis. Send to any part of the U. S. receipt of price, \$1.00.

## HOW I MADE MONEY.

While visiting my cousin in Illinois last month, I learned she had been making money plating with gold, silver and nickel, using the Lightning Plater, which she told me worked to perfection. After I got home I sent \$5 to H. F. Delno & Co., Columbus, Ohio, and obtained one of their plating machines and I have now all the work I can do. My brother gets the orders and I do the work, and it is surprising how much work can be had. Every body has spoons, knives and forks to plate, and you can plate quick and nice. One week I made \$12.50 and this last week I made \$9 and didn't do much work. As this is my first lucky streak I give my experience, hoping others may be benefited as much as I have been. CARRIE GRIMES.

## A BARGAIN COLLECTION OF FLOWER SEEDS



10 Choice Annuals. (everybody's favorites), all new fresh seeds, sure to grow and bloom this season. Pansy, 40 colors and markings; Phlox, 30 colors; Verbena, 18 colors; Pinks, 10 colors; Petunia, 10 colors; Aster, 12 colors; Balsam, 8 colors; Sweet Peas, 12 colors; Mignonette sweet and Sweet Alyssum.

FOR 12 CENTS and the name and address of two of your friends who grow flowers, I will send, post paid, the complete collection, one pkt. each of the ten varieties (enough for any ordinary garden). This is a BONA FIDE offer, made to introduce my home grown flower seeds to new customers and which I guarantee to please you or the amount paid refunded, and the seeds given as a present.

Miss C. H. LIPPINCOTT, 319 and 323 Sixth St. So., MINNEAPOLIS, MINN.

## 50c. BARGAINS

IN ROSES and PLANTS. We want your trade, hence we offer these cheap bargains well knowing that once a customer of ours, always one. Please tell your neighbors about it.

- Set A—10 Ever-blooming Roses, 10 Colors.. 50c
- " B—10 Prize Winning Chrysanthemums 50c
- " C—10 Lovely Fuchsias, all different.... 50c
- " D—8 Fragrant Carnation Pinks..... 50c
- " E—16 Choiceest Rainbow Pansies..... 50c
- " F—12 Sweet Scented double Tube Roses 50c
- " G—10 Elegant Geraniums, all different 50c
- " H—8 Flowering Begonias, choice kinds 50c
- " J—10 Vines and Plants, suitable for Vases and Baskets..... 50c
- " K—12 Magnificent Coleus, bright colors 50c
- " L—1 Choice Decorative Palms, elegant 50c
- " M—1 Dwarf Ever-blooming Fr. Canas 50c
- " N—20 Packets Flower Seeds, all kinds 50c

NO TWO ALIKE IN THESE SETS. Any 3 sets for \$1.25, any 5 for \$2. By mail postpaid, safe arrival and satisfaction guaranteed. Order by the letters from this advertisement now as these introductory sets not in catalogue. This book contains everything you need for the garden and house. We mail it for 10c. in stamps. We are the largest rose growers in the world. Over one and a half million roses sold each year.

The GOOD & REESE CO.,  
Champion City Greenhouses,  
Box 523 SPRINGFIELD, OHIO.

## FREE TO ALL!

Our New Illustrated Catalogue of Plants, Roses, Bulbs, Vines, Shrubs, Small Fruits, Ornamental Trees, Grape Vines, Seeds, etc., will be mailed free to all applicants. 110 pages. Most complete Plant Catalogue published. Satisfaction guaranteed.

20 Rose Houses; 45 Greenhouses; 50 Acres Nurseries. Address  
NANZ & NEUNER, Louisville, Ky.

## SEEDS GRAND SPECIAL OFFERS FREE FRESH and RELIABLE.

### FLOWERS, OFFER NO. 1. GRAND BOX CONTAINING

Aster, Gov. McKinley, Over 50 Grand colors. Sweet Peas, Emily Henderson, Best New white. Forget-me-not, New Striped, Lovely Large Flower. Linum, Perpetual Flowering, Blooms All Summer. Poppy, Riverdale Mixture, Grandest Out. Wonderful Mexican Primrose, Worth 25 cents. White Flowers, 100 Sorts for White Bouquets. Yellow Flowers, 100 Sorts Mixed for Bouquets. German Mixed Seeds, 400 Choice Sorts. Foliage Plants, For decorative foliage. Pinks, Bell's Show Mixed. Petunia, Bell's Show Mixed. Phlox, Bell's Show Mixed. Verbena, Bell's Show Mixed. Pansy, Our Nellie, Gorgeously Beautiful. Book on Summer Gardening, Free.

All the above sent by mail for only 25 cents and a 25 cent check is put in each box, which may be returned to us with an order for \$1 or over, and you get 25 cents worth free, so this box really costs you nothing.

### VEGETABLES, GRAND BOX Containing One Package Each of

Best Beans	Best Carrot	Best Lettuce	Best Radish
Best Peas	Early Cabbage	Best Melons	Best Squash
Best Corn	Late Cabbage	Best Onions	Best Tomato
Best Beet	Best Cucumber	Best Pumpkins	Best Turnip

The above box 16 packages of vegetable seeds mailed for only 25 cents and a 25 cent check put in each box.

10 Trial packages choice flower seeds, our selection, 10 cents.  
6 Trial packages choice vegetable seeds, our selection, 10 cents.  
All of the above for 60 cents by mail postpaid. Catalogue of seeds free.

Address J. J. Bell, Binghamton, N. Y.

## We want a Name, \$300.00 and will pay

for it. For particulars see Vick's Floral Guide for 1895, which contains colored plates of Vick's Branching Aster, Sweet Peas, Vegetables, Hibiscus and Gold Flower. Honest illustrations, descriptions that describe, not mislead; hints on sowing and transplanting. Printed in 17 different colored inks. Mailed on receipt of 30 cents, which may be deducted from first order. Vick's Seeds contain the germ of life

## CHOICE SWEET PEAS

Small Quantities at Wholesale Prices.  
**40 CENTS A POUND,** POSTAGE PAID.

We have grown tons of Sweet Peas the past summer of a very fine quality to be able to give our friends a real treat. Think of it, 35 varieties and colors mixed. A pound only 40 cents; half pound 25 cents; quarter pound 15 cents; ounce 10 cents.

**GOLD FLOWER.** Hardy, Grand Bedder, Charming Pot Plant each; two for 40 cents. Excellent for Borders. Plants 25 cents

**COLUMBIAN RASPBERRY.** POINTS OF SUPERIORITY. Extremely vigorous, resisting drought; propagation by tips, no suckers; fruit very large, color dark red; best berry for canning, retaining size, color and flavor; long season of fruiting; high quality of late fruit; fruit adheres to the stem, not dropping; does not crumble in picking; excellent shipper; wonderfully prolific, over 8000 quarts per acre; very hardy. Proved by years of trial and tested by Experiment Stations and Fruit Growers. Single plants 50 cts.; one dozen plants \$5

**SEEDS**
**JAS. VICKS SONS**
**PLANTS**

**ROCHESTER, N.Y.**

## SWEET PEAS 10

BEAUTIFUL  
NEW  
VARIETIES  
FOR  
**25 cts.**  
ONE PACKET EACH.

Empress of India—Large rosy pink and white.  
Miss Hunt—Carmine to soft pink.  
Mrs. Gladstone—Delicate rosy pink, bluish wings.  
Princess Louise—Standard pink, wings deep lilac.  
Queen of England—Very large white.  
Senator—Chocolate, creamy white.  
American Belle—Blotched wings and scarlet standard.  
Delight—White, suffused crimson.  
Dorothy Tennant—Puce-violet on rosy mauve.  
Waverly—Rosy-claret standards, blue wings shaded rose.

We make this special offer to introduce our seeds to new customers. The usual price for the collection is \$1.00. We will also mail our beautiful Catalogue for 1895 FREE, containing a list of all the good things in Seeds and Plants, with directions for growing.

**CURRIE BROS.,**  
Seedsmen and Florists. MILWAUKEE, WIS.

To introduce our unrivalled Flower Seeds, we will mail upon receipt of \$1.00, 35 packages of the leading varieties for general use. Cut out this ad. and return with order. Write for complete Catalogue of Seeds and Bulbs. We have larger stock than ever before. Address,  
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**THE GREATEST REMEDY OF THE AGE**

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FRANCIS TURBIEG, Teacher of Trinity School TO SUFFERERS:

After you have used other remedies in vain try

**Dr. Koenig's Rheumatism or Gout Salve**

Price 50 cents. Five bottles, \$2.00 will be sent prepaid to any address upon receipt of price. Circulars and pamphlets gratis. Write to-day.

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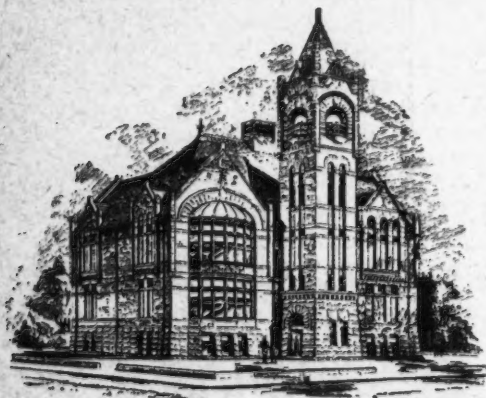
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For sale by all Druggists and Grocers.

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254 Reed Street,

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3,000 School Buildings in the United States warmed and ventilated by the Smead System.

**The Smead System**

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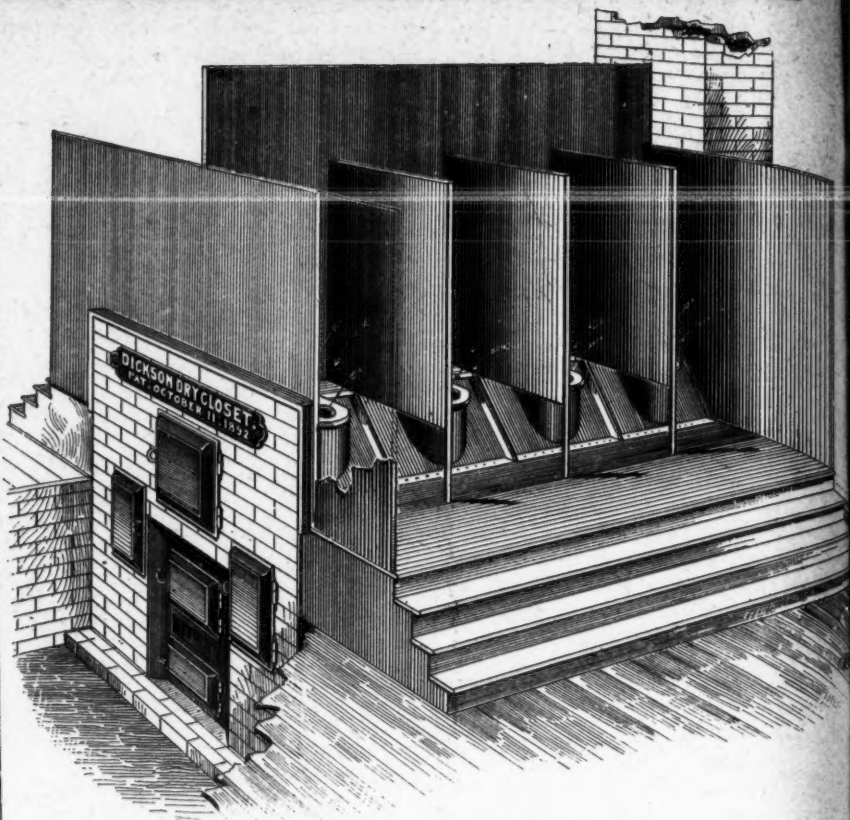
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Are you looking for a system of heating and ventilation that will work. If you are examine the Dickson Gravity System in use in the Greeley School in Peoria, Ill.; Marshalltown, Ia., High School; Keokuk, Ia., High School; Ward School at Effingham, Ill.; School at Evanston, Ill.; Stretor, Ill.; Peru, Ill., Delavan, Ill.

All of the above buildings and many others are heated and ventilated by the Dickson system and they are the best heated and ventilated schools in the country. Send for a description of the Marshalltown High School which is the largest school ever built that is heated and ventilated with a gravity system that will give 2000 feet of air to each pupil per hour. (This building has 48 rooms.)

Also send for a descriptive catalogue of the Dickson Dry Closet that will dry up all the moisture and burn up all the fecal matter without removing it from the vault.

We also manufacture a glass urinal that does not smell. There is a way to make a school room healthy if you know how.

Note:—H. Sandmeyer & Co., make plans and specifications for the heating and ventilating of schools. The contract for heating is let in open competition. By this way of letting the heating, local men have a better opportunity to get the work. Our charges for plans are reasonable and we guarantee satisfactory results or no pay.

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Regular Course began Sept. 26, 1894.

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# CALM JUDGMENT.

The deliberations on important questions in School Boards oftentimes become tangled because local influences have warped all judgment and reason. A heating system is one of the most important inasmuch as it becomes an item of current expense designed to serve its purpose for many years. An apparent slight mistake means a big mistake. In short, an expensive blunder.



A WOMAN'S SCHOOL BOARD.

CHAIRMAN: Ladies, above all things we must have our school houses equipped with an economical and serviceable heating system. In this respect we must follow the judgment of the men who comprise the school boards in other cities, and have decided this question on the basis of experience and keen judgment. RESULT: The Fuller & Warren system was unanimously adopted.

## VENTILATION.

The Fuller & Warren system insures complete ventilation. Fresh warm air is constantly infused into the school rooms, meeting every requirement of the most eminent scientific authorities on this important subject. It defies improvement.

## HEATING.

The Fuller & Warren system is not an experiment. It is not only the most economical, but the most serviceable. Hundreds of proofs furnished. The best school buildings in the United States are equipped with it. School officers attest to its utility.

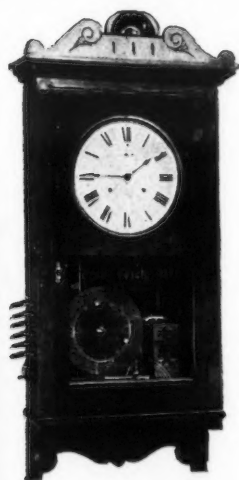
## SANITATION.

The Fuller & Warren system of Sanitary Cremating Closets and odorless Ventilation Slate Urinals are absolutely sanitary. They positively destroy every vestige of excreta. The entire system is separated from class room ventilation and guaranteed to be entirely free from odor in the building.

For full particulars, information and catalogues referring to hundreds of buildings now equipped by us apply or address:

FULLER-WARREN CO., Milwaukee, Wis. COMMON SENSE WARMING AND VENTILATING CO., Dallas, Tex.

**Fuller & Warren Warming and Ventilating Co. Chicago.**



## A New Era in School Government

Marked by the advent of  
**Frick's Automatic Electric Program Clock. . .**

It reduces the management of the school to a perfect system. It shoulders the entire responsibility of sounding the programs and with unfailing precision one apparatus keeps every period in every department, every room and every building on time.

It is a great systematizer. Apparatus furnished for all classes of program signaling. Satisfactory results guaranteed.

Write for full information regarding the many advantages of this valuable apparatus in schools.

FRED. FRICK, Manufacturer.

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## The School House Construction Co.

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Make plans with a system of ventilation that works incorporated in the same. In all plans furnished by us we introduce the Dickson System of Heating and Ventilation.

This system is in use in the Greeley School in Peoria, and in the Marshall town, Ia., High School which are acknowledged to be two of the finest schools in the Northwest. There are 48 rooms in the Marshalltown school and it is the largest school building in the world that is heated and ventilated with a gravity system that will give the required 2,000 feet of air to each pupil per hour, without mechanical power, except those schools which we have planned elsewhere.

For further particulars of this system we refer you to superintendent of schools in the various cities where buildings planned by us are in use. If you want a plan for a modern school with a system of ventilation incorporated in same with a guarantee that it will work give your work to the School Construction Co., Peoria, Ill.

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Two Hundred Thousand in Daily Use and Giving Perfect Satisfaction. The Most Comfortable, Durable, Handsome, and Best Made Desk in the Market.

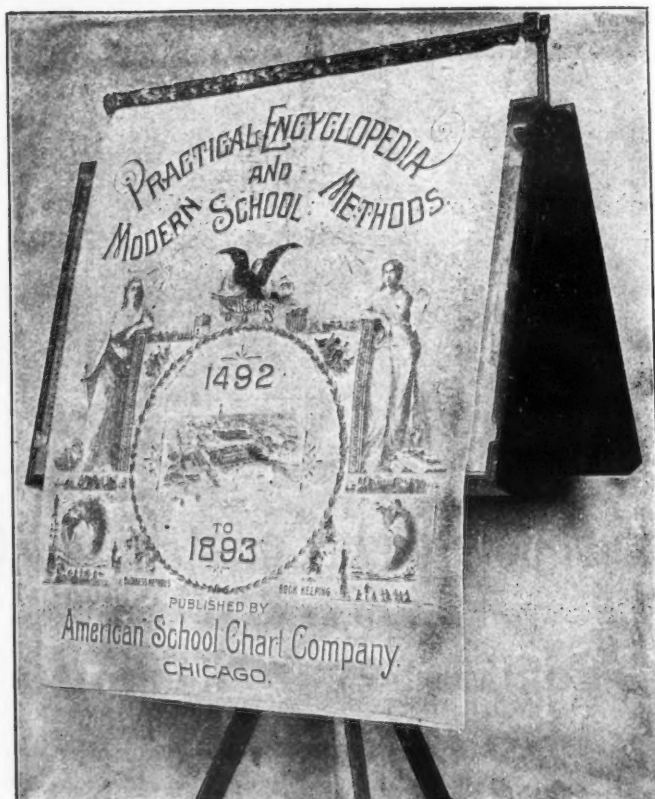
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Recommended by Educators and Physicians on account of its shape, and perfectly adapted to the requirements of the modern school room. Eleven sizes made, making it possible to seat each pupil healthfully and comfortably.

This method of construction is called the built-up process and is recognized by wood-workers as the most perfect method of putting woods together. They will not crack, warp, split or come apart. They are light, handsome and graceful. The seat, while strong, is flexible and yielding, and pupils occupying the "REGAL"

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Saves 50 per cent. of cost and adds 50 per cent. to time and useful knowledge.  
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School Furniture and Supplies of Every Description.

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The best authorities in this Country have been consulted and their recommendations adopted.

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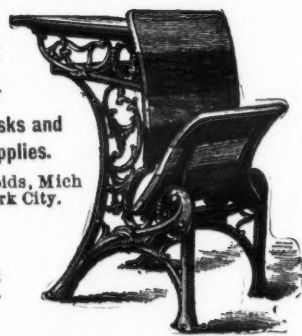
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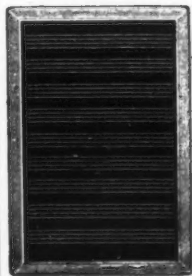


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PATENTED NOV. 24, 1891.



The lines are drawn on the slate by machinery and are regular and straight. This cannot be done by hand with the same degree of accuracy. The lines are filled with a composition, presenting a smooth surface and offering no resistance to the stroke of the pencil. These lines always remain distinct and do not strain the eyes of the pupil.

In the manufacture of this slate we use our wire-bound frame and a high grade felt, which being a fast color will not, when damp, stain books clothes, &c.

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We also manufacture unruled slates, both noiseless and plain.

We have been in business **20 YEARS!** and know what constitutes...

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Perfect in Construction, Design and Finish.

Our Automatic Seat contains no rubber, leather, or anything that will wear out. Will always remain noiseless.



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## Thomas Kane & Company,

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The Caxton School Series Cabinet.

In fifty-four lithographed pages, each page 2 feet by 3 feet, this Series thoroughly treats Reading, Arithmetic, Writing, Drawing, Political Geography, Business Forms, Book-keeping, Civil Government, Political Economy, Music, History and Physiology.



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This splendidly illustrated Series, containing fifty-two lithographed pages, each 2 ft. by 3 feet, is intended to teach the proper use of the English Language. Teachers praise it.

Agents wanted to push the sale of these two specialties and incidentally all furniture and apparatus needed in the school-room. Address

## THE CAXTON COMPANY,

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WITH DIPLOMAS, CERTIFICATES, TESTIMONIALS,  
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ONE OR A THOUSAND BE REQUIRED,

PLAIN AS YOU PLEASE, ORNATE AS YOU PLEASE, BUT ALWAYS  
CHASTE, CORRECT, ARTISTIC,  
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OUR PRICES ARE SO LOW THAT NO SCHOOL CAN  
AFFORD TO SACRIFICE GOOD TASTE BY INFLECTING A  
POSTER ON ITS STUDENTS. DON'T WAIT FOR THE  
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FULL SIZE SPECIMENS FOR 3 CENTS IF YOU NAME

School Board Journal.

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Mechanical, Electrical, Civil Engineering.  
Chemical courses. Well endowed. Extensive  
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Mention this paper, state time and money at  
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Independent tickets everywhere. Ocean tickets.  
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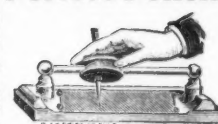
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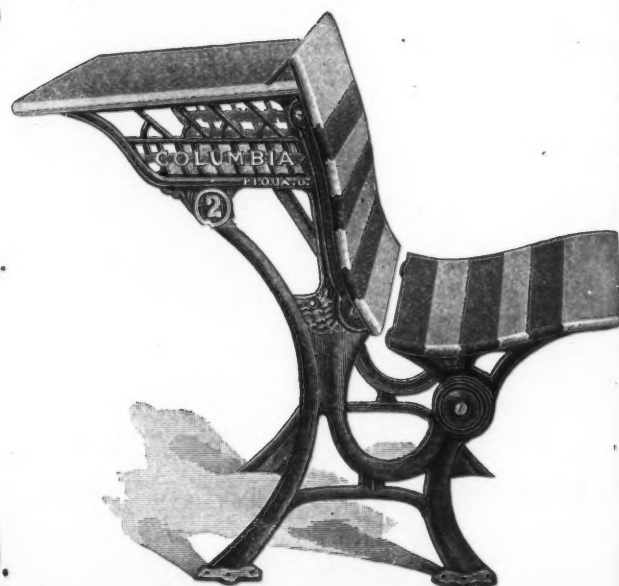
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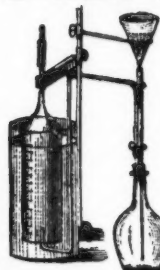
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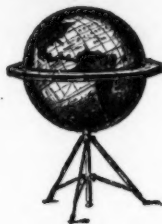
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**THE COLLEGE BUILDING.**  
Southeast Corner Wood and Harrison Sts.

The new college building occupies a prominent position among a group of fourteen others, comprising medical colleges, hospitals and schools. The lot on which the building stands has a frontage of eighty-five feet, and a depth of one hundred and twenty feet. It is a five story and basement structure, the basement and first story being of rock-faced Bedford stone, and the superstructure of pressed brick and terra-cotta, with terra-cotta trimmings. The building has two entrances, the main one through a large cut-stone doorway surmounted by a stone arch beautifully ornamented with carved work. The interior is finished in hard wood, according to the latest idea of elegance, convenience and comfort. The entire six floors of the building are divided into lecture rooms, class rooms, clinic rooms, etc., with the exception of the second floor, which is devoted to the Dental Infirmary. The chief lecture room has a seating capacity for four hundred and fifty students. There is also a dissecting room, thoroughly equipped with all the requisites for the study of human anatomy. There are Historical, Chemical, Bacteriological Laboratories; also Laboratories for the study of Operative and Prosthetic Technics, and one for the construction of artificial dentures. The building occupied by the Chicago College of Dental Surgery is, in all its appointments, one of the most perfect and complete of its kind.

## Chicago College of Dental Surgery.

DENTAL DEPARTMENT OF LAKE FOREST UNIVERSITY.

The Annual Winter Course of Instruction will begin about October 1st, 1895, and end about April 1st, 1896.

Three full winter courses of lectures are required before graduation. Graduates of reputable pharmaceutical and undergraduates of medical colleges are admitted to the second year course and can become candidates for graduation after taking two winter courses of lectures.

### TOPICAL STATEMENT OF WORK.

#### FIRST YEAR.

During the Freshman Year the studies taken up are Theoretical and Practical Chemistry and Anatomy, Histology, Operative and Prosthetic Technics and Operative and Prosthetic Dentistry and Physiology.

#### SECOND YEAR.

In the Junior Year the studies of Freshman Year are reviewed and the student performs practical work in the laboratories and operates in the Infirmary.

#### THIRD YEAR.

During the third year the student listens to lectures on Oral Surgery, Materia Medica and Therapeutics, Pathology, Operative Dentistry, Dental Anatomy and Pathology and Orthodontia. In addition to the lectures each student is expected to operate in the Infirmary and perform practical work in the Laboratory.

Matriculation Fee, good to the close of the term,	\$ 5.00
General Ticket,	100.00

There will be no separate fees for Chemical and Historical Laboratory work, dissecting and final examinations as heretofore.

#### FEES FOR THE ANNUAL SPRING AND SUMMER INFIRMARY COURSE.

Matriculation Fee (good till the following April),	\$ 5.00
Tickets for the Course,	20.00

This amount will be deducted from the fees of the next following winter session.

Instruments and appliances for clinical department will cost from \$25 to \$40.

Board, including light and fuel, can be obtained at a convenient distance from the College at from \$4 to \$6 a week.

Graduates of the College are requested to notify the Dean of changes in their residences.

\*A fee of \$5 must be deposited to cover chemicals and breakage in the Chemical Laboratory.

Letters of inquiry should be addressed to

**DR. TRUMAN W. BROPHY, DEAN,**  
126 STATE STREET, CHICAGO, ILL.



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UNIVERSITY OF WISCONSIN,  
Department of Geology and Mineralogy.  
Charles R. Van Hise.  
William H. Hobbs.  
J. Morgan Clements.

MADISON, WIS., JAN. 16, 1895.

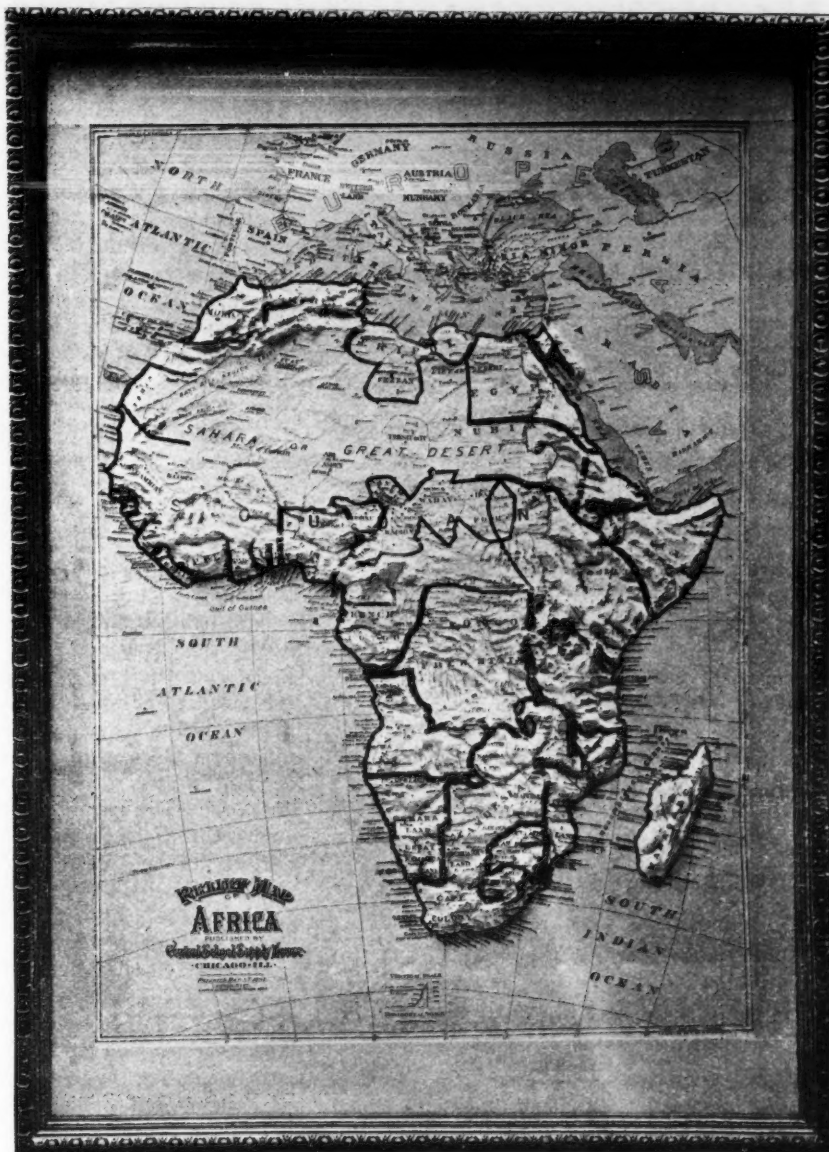
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GENTLEMEN:—I have examined your new series of Relief Maps of North America, South America, Europe, Asia, Africa, United States, and The World, and can heartily recommend them to all teachers of Geography. In any school room in which they are placed they will be of great assistance in teaching political and physical geography. If resuspended upon the walls of a school room, the knowledge which the children would gain from these Maps in a single year would be more valuable than the total cost of the set.

Very truly yours,  
C. R. VAN HISE,  
Professor of Geology.

## CENTRAL SCHOOL SUPPLY HOUSE,

Southeast Corner Monroe St. and Fifth Ave.,  
CHICAGO, ILL.



STEPS INTO JOURNALISM: HELPS AND HINTS FOR YOUNG WRITERS. By Edwin L. Shuman. Published by the Correspondence School of Journalism, Evanston, Ill.

The rapid rise and development of the newspaper, and its wide influence in social, political and industrial life, have attracted to it a public interest such as few methods of molding opinion have ever attained; and there is a general desire to know the details and secrets of its construction. But while books upon journalism have been published, the particulars of the work have had few and wholly inadequate expositions. In this volume, the whole story is told, and told with an attention to details that leaves nothing to be desired, whether the reader is seeking entertainment merely, or that information which will guide his steps into that realm which has such a charm for the multitude ambitious of literary prominence.

The information required for the preparation of acceptable copy for the press; the duties of the reporter, the interviewer, the correspondent, and the heads of the different editorial departments; to errors be avoided, the characteristics of the successful journalist, the almost ceaseless toil necessary to the highest success in the profession, the numerous obstacles and discouragements that beset the beginner on every hand, and the customs of the editorial rooms are all set forth with a fulness that is realistic in the most literal sense of the word.

The author is a writer on one of the Chicago dailies, having served in the various departments of newspaper work, and writes with a full practical knowledge of his subject. He holds back nothing for fear of lowering the dignity of his profession; and some of the secrets of the trade—its competitions, its rivalries, its tricks to attract the attention of the public and secure the sale of papers, the schemes of managing editors and reporters to secure "news" and "scoop" their competitors are told in a manner that is extremely amusing, and show that the press, that mighty lever in the affairs of the world, is not without its ludicrous side. There is also a chapter devoted to the work of women on the newspaper, and one on magazine and novel writing which possesses interest for all who, for any cause, follow the course of literary production.

Mr. Shuman has an excellent style, smooth, clear and direct, easy to read, and indicating wide reading and culture. There are occasional reminiscences of reportorial English, but these are not serious blemishes. His concluding chapter shows him to be fully alive to the weakness of the press, yet possessed of a just estimate of its great power and exalted

mission; and the careful reading of the entire book is commended to all who have entered, or hope to enter, the profession of journalism.

L. A. P.  
HOW THE REPUBLIC IS GOVERNED. By Noah Brooks. Chas. Scribner & Sons, New York.

A neat and up-to-date volume. It is a history and explanation of the great governmental wheel—the Constitution. The author shows, in a plain but easy style, the inner workings of the three great powers of the United States—the legislative, the executive, and judicial. It also contains the Declaration of Independence, and Constitution of the United States. This little volume merits the attention of all who desire a guide and interpreter of the Constitution—the Palladium of American liberty.

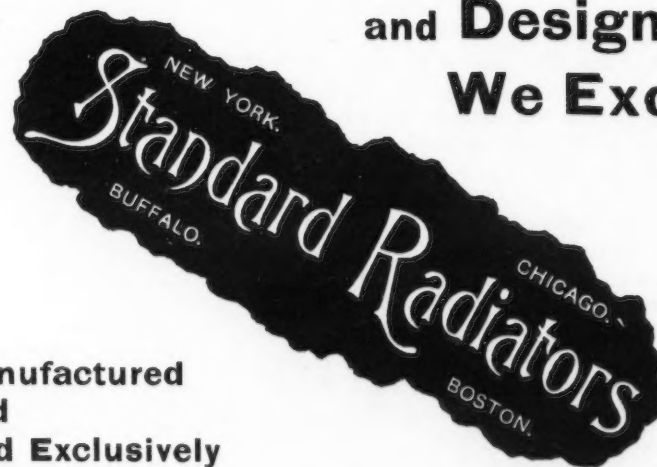
F. L.  
HISTORY OF THE PLAGUE IN LONDON. By Daniel Defoe. American Book Co., New York, Cincinnati, Chicago.

This volume is from the pen of the author of Robinson Crusoe fame. In this book the author describes the visitation of the Great Plague in England, in 1722. While told with an air of veracity, it is a known fact that he greatly exaggerates. His diction lacks unity and precision. In fact, the student finds that in reading Defoe he is not drinking from a "well of English undefiled." Nevertheless, he succeeds in interesting the people on account of his skill in the art of realistic description. F. L.

The Griggs' Philosophical Classics, devoted to a critical exposition of the masterpieces of German thought, are advertised in another column. Examine the list of books.

The third edition of Old Mother Earth and Big Highways and Byways is ready. William Beverly Harrison has purchased the rights of this work. An illustrated edition will be issued later.

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Overworked men and women, the nervous, weak and debilitated will find in the Acid Phosphate a most agreeable, grateful and harmless stimulant, giving renewed strength and vigor to the entire system.

Dr. Edwin F. Vose, Portland, Me., says: "I have used it in my own case when suffering from nervous exhaustion, with gratifying results. I have prescribed it for many of the various forms of nervous debility, and it has never failed to do good."

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Rumford Chemical Works, Providence,  
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Beware of Substitutes and Imitations.

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## ELOCUTION IN THE PUBLIC SCHOOL.

PROF. H. B. ALDRICH.

I have no quarrel with the management of a school system of which every true American is, or ought to be, proud. Nor do I question the wisdom of the many innovations in school methods adopted in recent years. But just now—when new fads or fancies, all excellent in their way, are crowding the school day, changing the romping children of yesterday into the grave and erudite and spectacled young gentlemen and ladies of to-day; when from all sides come appeals or demands for the addition to the curriculum of this or that branch of study, while teachers are already straining every nerve in a conscientious effort to give instruction in fifteen studies in the number of hours which should be devoted to ten; when school committees and school boards are laboriously endeavoring to reduce the pressure, or make room for new work by cutting out of the curriculum something which can be spared—is it not well to sound a note of warning lest we lose sight of the substance in searching for the shadow?

I refer to the art of reading, which is the basis of elocution. Do not let the reader imagine, having read thus far, that this article is devoted to the advocacy of turning our public schools into debating clubs or institutions for the development of dramatic talent. I am fully in accord with a prominent educator who said to me not long since: "It is not the province of the graded schools to turn out elocutionists." But I do believe that careful attention within reasonable limits to reading—and by this I do not mean simply sight-reading, but reading in its broader sense—from the entry of the pupil in the first grade, till his or her graduation from the high school, will go farther to fit the pupil for whatever the future may have in store than the same time devoted to any other single study.

Study is a means, not an end. Ask any conscientious educator what direct benefit is derived from the study of algebra, geometry, Latin, Greek, or He-

brew, by the boy who in all reasonable probability, will spend his life in the pursuit which Adam made honorable, and he will reply that the benefit lies in the mental discipline acquired, thus fitting the student to think and reason for himself. This is true of all studies. No one doubts that the time devoted to penmanship and mathematics is time well and profitably spent. The custom, largely the growth of recent years, of written, rather than oral recitations, in which penmanship and spelling are taken into account, is an aid in cultivating ease, rapidity and grace in writing; while all due attention is given to mathematics in all its branches. But I am led, by personal experience and observation, to the inevitable conclusion that the first of the fundamental R's—reading—in which is, or should be, included the training of the human voice, is being lost sight of. Frequently in the regular course of school or private work I meet young gentlemen and ladies who will read and translate rapidly and correctly long and difficult selections in Latin or Greek, and yet will stumble or halt painfully over a piece of plain English.

The reason is obvious. The student has paid little or no attention to reading aloud. He knows the meaning of the printed signs before him, but while his brain comprehends them readily, his tongue is untrained, and becomes twisted in the attempt to give them sound. Questioning in one of these cases brought out the statement that during the student's last year at school, owing to the size of his class, his opportunities in this direction consisted of from one to three short paragraphs a week, with no time for instruction; the class simply going through the form, into which no spirit was infused and from which no benefit was derived. There was no time even to teach the fundamental principles of expression.

Another earnest and conscientious instructor, while lamenting the fact, which he admitted with some reluctance, explained the graduation of so many poor readers by saying that the tendency of the times is in the direction of specialty work, and that few teachers are competent to teach reading in the sense implied by my question. I am hardly prepared to accept this in toto, though for the past year, and perhaps longer, because of lack of funds, this branch has been left out of the curriculum of some of the state normal schools.

I do not make the claim that all, or even most, of our public school pupils are capable of becoming Websters, but I do believe that a more careful attention to the matter of reading in the graded schools, as a basis for practical training in elocution later on, would result in a broader development of the mind of the pupil. While it is not the province of the graded schools to turn out finished elocutionists, let us not retrograde and graduate from our high schools young ladies and gentlemen who will blush at the sound of their own voices.

## AMONG BOARDS OF EDUCATION.

New Orleans, La. Board decided that twenty-one days shall constitute a school month.

Syracuse, N. Y. A resolution in the council to reduce the school board was lost.

Milwaukee. A legislative bill to reduce the membership of the board from 36 to 21 was lost.

Alameda, Cal. Board has employed an oculist to examine the eyes of the pupils.

Sibley, Ia. The school board has made a new departure. Hereafter teachers applying for a position in the schools of that place will have to send a draft of \$25 as an evidence of good faith, before their application will be considered.

Philadelphia, Pa. Wm. C. Haines has been chairman continuously of the Twentieth Ward school board for twenty-eight years. In thirty-eight years he has not missed being returned as a school director, his first service in that capacity dating 1857.

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The Largest Manufacturers of  
**PURE, HIGH GRADE  
COCOAS AND CHOCOLATES**

On this Continent, have received  
**HIGHEST AWARDS**  
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EXPOSITIONS  
In Europe and America.**



Unlike the Dutch Process, no Alkalies or other Chemicals or Dyes are used in any of their preparations. Their delicious BREAKFAST COCOA is absolutely pure and soluble, and costs less than one cent a cup.

SOLD BY GROCERS EVERYWHERE.

WALTER BAKER & CO. DORCHESTER, MASS.

## WOMEN AND SCHOOL BOARDS.

Cedar Rapids, Ia. Court decided that the Iowa law giving women the right to vote at school elections is unconstitutional.

New York city. Mayor Strong appointed Miss Ellen Collins a school inspector.

Washington, D. C. Mesdames Louise R. Stowell and Mary E. C. Terrell are the new lady members.

Delhi, O. Since the exciting election for Director of School Board, at which 224 women voted, there has been a question about women voting who were not naturalized, and are not exempt.



MRS. MYRA KNOX,  
Oakland, Cal.

The election of Dr. Myra Knox to the school board of Oakland, Cal., was duly celebrated by the ladies of that city. In an address accepting congratulations she said among other things: "A hopeful sign is the growing feeling of women

for women. They are becoming sufficiently emancipated to ride bicycles, and that means a great deal. Some one said to me the other day, 'Who are the fool women who carry flowers to murderers?' And I said, 'They are the sisters of the fool boys who smoke cigarettes.'

Mrs. Henrietta G. Moore was elected to represent the Fourth Ward in the school board at Springfield, Ohio. She is said to be a capable woman, and one who will make an efficient school officer, she having taken an earnest interest in school affairs for some time.



MRS. MOORE,  
Springfield, O.

Conway Springs, Kan. Four years ago the board purchased \$13,000 worth of school seats but failed to pay for them. Judgments were secured against the board and now it will have to pay the bill including costs, amounting in all to \$3,500.

## A BRILLIANT STUDENT.

Head of the class, perfect recitations, and examinations, envied by all. To attain such honor a good memory is necessary. The new physiological discovery—**Memory Restorative Tablets**—quickly and permanently increase the memory two to ten fold and greatly augment intellectual power. Difficult studies, lectures, etc., easily mastered; truly marvelous, highly endorsed, your success assured. Price \$1.00 postpaid. Send for circular.

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Trained Singing Canaries. Birds of all kinds always in stock. Mail orders promptly filled, and birds shipped to all parts of the country.

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by my invisible Tubular Ear Cushions. Whispers heard. Warranted to help more cases than all similar devices combined. Help ears as glasses help eyes. Sold by F. HISCOP only, 353 Broadway, New York. Send or call for book of proofs **FREE**

**Maynard, Merrill & Co.,** Publishers of School Books. Catalogue Free.  
43-47 E. 10th St., N. Y. Send for it.  
H. I. SMITH, 5 SOMERSET ST., BOSTON. J. D. WILLIAMS, 151 WABASH AVE., CHICAGO.



## SIMPLE TRUTHS



### A Class Room Recitation!

Twinkle, twinkle little star,  
For I know always who you are.  
You came to school one morning bold  
To warm the wintry, chilly cold.  
Each day you kept your little seat  
To regulate the furnace heat.  
You staid in school all day, all night  
To make the school room healthful, bright.  
I know you have a reputation  
To bring the heat to regulation;  
I know your greatness and your fame  
And "Johnson System" is your name.

Are easily expressed—readily understood. It is the purpose of this advertisement to deal with a truth—and one that needs only to be presented in order to be well understood.

A systematic Regulation of Heat implies in itself economy and comfort. Economy in that it must prevent a waste of fuel—comfort in the assurance of an even temperature.

If then this be plain—if we clearly understand that as a natural consequence an accurate and reliable regulation of heat will produce desirable results—then come the questions of who, what and where?

There is but one answer: **THE JOHNSON SYSTEM OF HEAT REGULATION.** It is simple, it is practical, it is complete. It is the only.



NEW HIGH SCHOOL, JANESVILLE, WIS.  
Equipped with the Johnson System of Heat Regulation.

## The Johnson System of Heat Regulation

Is now in use in hundreds of school buildings in the United States. The most important public buildings are equipped with it—as well as many private homes. For more complete information write to . . . .

# The Johnson Electric Service Co.,

12 Pearl Street, Boston, Mass.

91 Diamond Street, Pittsburgh, Pa.

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Lumber Exchange, Minneapolis, Minn.

**MAIN OFFICE, MILWAUKEE, WIS.**

Philadelphia Electric Service Co., 41 North 11th St.

Chicago Electric Service Co., 411 Dearborn St.

(Please Mention School Board Journal.)



## BOOKS RECEIVED.

Enoch Arden and other poems. By Alfred Lord Tennyson. Published by Houghton, Mifflin & Co., New York. Price \$2.50 per year.

Selections from Browning. By Charles W. French. Published by A. Lovell & Co., New York. Price 50 cents.

How the Republic is Governed. By Noah Brooks. Published by Charles Scribner's Sons, New York.

Boston Society of Natural History, Guides for Science Teaching, First Lessons in Chemistry. By G. P. Phenix. Published by D. C. Heath & Co., Boston, Mass. Price 20 cts.

School Classics, Erasmus. By Victor S. Clark. Published by Ginn & Co., Boston, Mass. Price 55 cents.

Old Mother Earth, Her Ways and By-ways. By Josephine Simpson. Published By William Beverly Harrison, New York.

A Manual for the Study of Insects. By John Henry Comstock and Anna Botsford Comstock. Published by Comstock Publishing Co., Ithaca, New York. Net price \$3.75; postpaid \$4.00.

Hayne's Speech. Published by Maynard, Merrill & Co., New York. Mailing price 12 cents.

Arithmetic of Practical Measurements. Published by Western School Supply House, Des Moines, Iowa.

Physiographic Regions of the United States. By John W. Powell. Published by The American Book Co., New York. Price 20 cents each.

Burke's Speech on Conciliation with America. By A. J. George, A. M. Published by D. C. Heath & Co., Boston. Price 30 cents.

Webster's Speech on Bunker Hill Monument. By A. J. George A. M. Published by D. C. Heath & Co., Roston. Price 20 cents.

The Making of the Nation. By Francis A. Walker, Ph. D., L.L.D. Published by Charles Scribner's Sons, New York. Price \$1.25.

Elegy Written in a Country Churchyard, and other poems. By Thomas Gray. John Gilpin and other poems. By Thomas William Cowper. Published by Houghton, Mifflin & Co., Boston. Price, single numbers, 15 cents.

George Washington, An Historical Biography. By Horace E. Scudder. Published by Houghton, Mifflin & Co., Boston. Single numbers, 15 cents.

In the Story Land. By Harriet Lincoln Coolidge. Published by William Beverly Harrison, New York. Price 25c.

## MAGAZINES RECEIVED.

The Forum. Published by the Forum Publishing Co., New York. Price 25 cents per copy.

McClure's Magazine. Published by S. S. McClure. Lithographed, New York. Price 50 cents.

The Arena. Published by The Arena Publishing Co., Boston, Mass. Price 50 cents per number.

The Review of Reviews. Published by the Review of Reviews Co., New York. Price 25 cents.

McClure's Magazine. Published by S. S. McClure, New York. Price 15 cents.

The North American Review. Published in New York. Price 50 cents.

Scribner's Magazine. Published by Charles Scribner's Sons, New York. Price 25 cents.

Lippincott's Magazine. Published by J. B. Lippincott Co., Philadelphia, Pa. Price 25 cents.

McClure's Magazine. Published by S. S. McClure, New York. Price 15 cents.

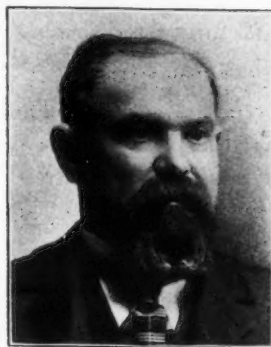
North American Review. Published in New York, No. 3 East Fourteenth street. Price, 50 cents single copies. Per annum, \$5.

The New York board of education is considering the report of a committee which recommends that schools of the future are to be provided with roof gardens. They are to contain trees and flowers and perhaps even beehives and bees, besides gymnasiums and tennis courts.

## MUS-KIK-KEE-WA-BOO.

An Indian word which will some day find its way into Webster's Dictionary.

If all the doings of the aborigines could be recorded they would make interesting reading. No doubt the Caucasian could profit by some of the Indian wisdom. A clear graveled bottomed brook in the southern part of Wisconsin was during the early part of this century visited by hundreds of Indians who came from long distances to refresh themselves and rid themselves of ailments by drinking its waters. For how many years they had been coming to this brook is not known. The brook itself is fed by numberless springs which bubble out of clear rock and gravel. This water was called Mus-Kik-Kee-Wa-Boo, which means medicine water. The waters flow as freely to-day as they did a century ago.



W. H. BURR,  
The Discoverer of Mus-Kik-Kee-Wa-Boo.

has filled books. The civilized world extends the credit to Columbus. He was not the first Caucasian who trod upon its soil but he was the first who opened the new continent to the whole world. And so the schoolmaster said that the discovery of Mus-Kik-Kee-Wa-Boo is due to W. H. Burr, who gave it to the world. The wonderful qualities of the water were not fully known, however, until Prof. Walter S. Haynes, the noted chemist of Rush Medical College made an analysis, and when the World's Fair Commission granted it the highest award, among 300 different kinds of medical awards which had been submitted.

In the treatment of kidney diseases it is almost infallible, and when it is considered that so many Indians availed themselves of the water, it must be held that they too were subject to the common ills.

Correspondence in reference to the water should be addressed to the W. H. Burr, Milwaukee, Wis.

East Liverpool, O. The board of education entered a contract with the Seth Thomas Company, of Hartford, Conn., for a tower clock, the price of which is \$765, which is \$200 less than any similar clock could be secured from any of the competing concerns. It is guaranteed for five years, and not to vary a minute in thirty days. The dial of the clock is seven feet in diameter.

A school master was recently asked as to who should be credited as the discoverer—the Indian or the man who made Mus-Kik-Kee-Wa-Boo known to the world.

Many of the controversies of the age are centered in discoveries. Whether Leif Erickson or Christopher Columbus are entitled to the fame of discoverers is a controversy that

## EUROPE

Oxford-Cambridge  
Summer School  
Excursion,

July, 1895.

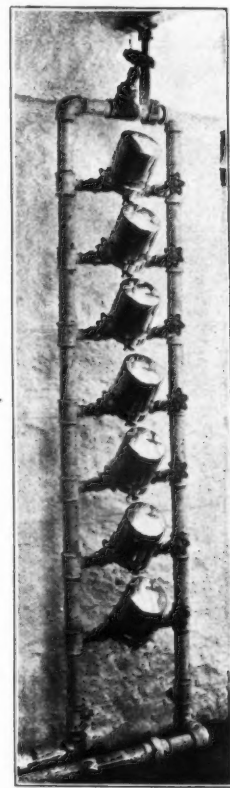
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English University Life, Lectures, Famous English Schools; London, Oxford, Cambridge, Edinburgh, Glasgow, Tiossachs, English Lake Region. Side trips to Shakespeare's country, Castles, Ruins, Celebrated Cathedrals, Belgium, Paris, etc., etc. For full particulars, address

Anglo-American Excursion Society,  
852 Broadway, New York.

## WATER FILTERS FOR SCHOOLS.

The introduction of water filters in the schools has been steady during the past year throughout



the Upted States, and the manufacturers have directed their efforts towards producing filters that would be servi able at all times. The aim has been to obviate delays, repairs, etc. The accompanying cut shows a series of smaller filters by which the whole can be kept in operation all the time. Single filters can be taken out, cleaned and replaced without interruption of the whole. The impurities in the water are arrested and attach themselves on the outer side of stone cubs, while the pure water passes through the stones. The advantage of the Graves filter lies in the fact that only natural stone is employed in its construction. The present system will place the filters in the basement in charge of the

janitor, where children cannot tamper with it.

The Cream City Brass & Filter Co. Works, of Milwaukee, are the sole manufacturers to whom all communications should be addressed.

"Ought to take the place of all other books in the class for which it is intended."

## Thomas's History of the United States.

Modern—Complete—Impartial—Accurate—Patriotic—Interesting.

FULL BIBLIOGRAPHICAL REFERENCES, ILLUSTRATIVE READINGS, AND APPENDICES.

Prof. A. B. HART, of Harvard, writes:

"In form the book is pleasing—there is a large type and an unusual amount of reading matter in proportion to the total number of pages. The pictures are chiefly excellent portraits.

The treatment of public questions is broad, interesting, and impartial, without losing the American spirit. It is an honest, intelligent, and well-molded book.

One merit the book has which is so unusual as to be worthy of special mention, and which adapts it for teaching in the newer methods of school history. Each of the twenty chapters is preceded by a well-chosen bibliography, intended to lead the pupils to other authorities on the same period. As a book to be taught, to be studied, to lead to other reading, and to keep for reference, it deserves much praise."

532 Pages. Half Leather. Introduction price, \$1.00.

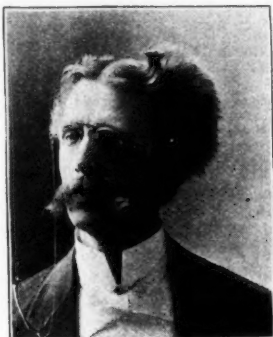
D. G. HEATH & CO., Publishers.

Boston, New York, Chicago.



## A MASTER IN ELOCUTION.

Prof. H. B. Aldrich, teacher of elocution in the Milwaukee Academy, an article from whose pen appears on another page of this issue of the School Board Journal, acquired the art in the teaching of which he is so successful in the exacting but practical school of the stage. Prof. Aldrich was apprenticed to the printers' trade at an early age, but left the "case" in 1872 to become a member of the stock company of the old Boston Museum, where he had the advantage of association with such old school actors as William Warren, John Gilbert and Charles Barron. In the early part of the season of 1873-4 he played the one-legged soldier in "The Raw Recruit" over the New England circuit. At the close of the tour he



Prof. H. B. ALDRICH.

took a course of lessons in elocution under Harry Murdock, a nephew of James E. Murdock, and in 1875 accepted the position of "second old man" with the Providence Opera House stock company. In the fall of 1876 he came west, stopping at Detroit where he became a member of the local staff of the Evening News. The following winter he was chosen dramatic director of the Barrett Dramatic Club, continuing in that position till the early spring of 1878, when he came to Milwaukee. Continuing his career as a newspaper man he has during the past fifteen years held various positions on Milwaukee dailies, and has also been a contributor to various humorous periodicals over the *nom de plume* of "P. D. Q." From 1888 to 1893 he was private secretary to William E. Cramer, senior proprietor and editor-in-chief of the Evening Wisconsin. At the end of that time his health broke down and he was forced to resign. During the past ten years Mr. Aldrich has devoted his leisure hours to private instruction in elocution, and has directed numerous amateur dramatic productions.

At the beginning of the present school year Mr. Aldrich, after a lecture tour of the state in the interest of fraternal insurance, accepted the position of instructor in elocution in the Milwaukee Academy, in which he has been so successful that he has already been engaged for the school year 1895-6.

Philadelphia. The text-book committee of the board will in future be divided up into sub-committees as follows: Mr. Wright and Mr. Wrigley were appointed the sub-committee on Readers, History, Literature and Composition; Mr. Harrington and Mr. Pollock on Arithmetic, Mathematics, Algebra, Bookkeeping, Geometry, Physiology, Hygiene, Natural Philosophy and Chemistry; Mrs. Mumford and Mr. Abbott on Spelling-books, Grammar, Etymology, Dictionaries and Geography; Mr. Merchant and Mr. Rhoads on Miscellaneous Books.

## TEACHERS WANTED For Vacation Work \$100 a month

Last season we engaged over 500 men and women Teachers and Students who averaged more than \$100 a month in canvassing for us. We want 1000 more this season for the grandest and fastest selling book out, entitled . . .

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Despite all efforts to combat it, Consumption still maintains its position as our national scourge, and continues to gather its terrible harvest. As attempts to cure the disease when it has become firmly seated seem futile, it is most important that we should possess all available information as to its causes, so that we may arm ourselves as far as possible against it. It has been suggested by physicians who have made diseases of the respiratory system a study, that the prevalent habit of breathing through the mouth instead of through the nose may predispose one to become a victim of consumption. In this connection, we would call attention to a circular recently issued by the Spirodon Co., Bridgeport, Conn., which should be read by all whose respiration is not normal. The Company's advertisement appears in another column.

## A SCHOOL INK MAN.

Few men who wield the pen realize that the manufacture of writing fluids has become an important industry in this country. Teachers and children may at times wonder how inks are made, and who the men are who have developed its manufacture to such an extent until the muddy substance of former years has gradually been converted into a clear and servicable fluid.



A. N. RITZ,  
Sole Owner of the Diamond  
Ink Works.

1867. Seven years later he came to Milwaukee and entered the wholesale drug firm of F. Dohmen & Co. In 1887 he got control of the Diamond Ink works which was then doing only a small local business.

Mr. Ritz's energy, industry and enterprise soon developed the plant to such an extent, that the Diamond Inks are now being shipped to every state in the union, and even beyond the borders of the United States. The inks were radically improved after Mr. Ritz took possession of the works, and it is safe to say, that no better quality is made in the world. They have become a standard article in schools, offices and homes, and the demand is steadily increasing. School officials who have purchased these inks either direct, or from local dealers, have invariably found them satisfactory and most reasonable in price.

Tiffin, O. The board learned that it had elected a superintendent illegal early in the year. It re-elected him to make it legal.

Canton, O. The superintendent's report shows that out of 4,000 pupils, thirty-eight needed and received floggings during the month of February.

Principal H. B. Hayden, of the Marshalltown, Iowa, high school, has received forty stands of arms for the use of the high school cadets, who will begin military drill at once.

Clarksville, Mo. Schools were closed two months earlier owing to lack of funds.

## THE SMEAD AIR MOTOR

Manufactured by Isaac D. Smead, Toledo, O.

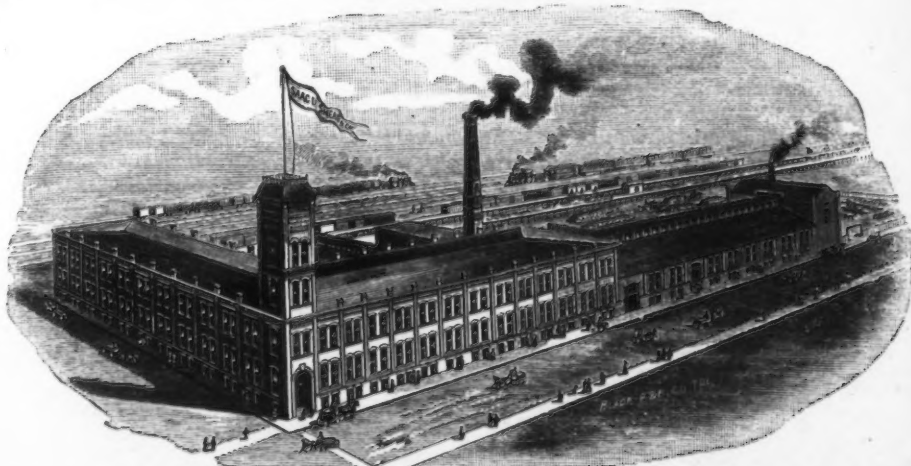


Patent Applied For.

The cut on this sheet represents the Smead Air Motor for smoke or ventilating flues of all kinds. The motor once in position requires no attention for many years. The bearings are ball bearings, the same as used in bicycles.

It is a well known fact that the air is almost always in motion and especially so at a very limited elevation above the surface of the earth. The writer has been engaged in the heating and ventilating business for over a quarter of a century and is somewhat familiar with air currents, and especially with those anywhere from ten to one hundred feet above the ground. The slightest breath will start the Air Motor in motion; in fact, I have never seen one in position that was not in motion. As soon as the wheel begins to turn the propeller commences to pull the air or smoke from the flue below, and this regardless of the direction from which the wind may strike it.

It is absolutely impossible where the Smead Air Motor is in use for a "down draft" to occur, and as this most satisfactory condition does not depend upon attention from anyone, there can be no such thing as a "smoky chimney" or a ventilating flue that does not "draw" at all times, day and night. The Smead Air Motor is a very ornamental top for flues of all kinds, as they conform to the architecture of the flue and are made of steel and galvanized iron, painted and bronzed, and in all sizes from eight inches to six feet in diameter. For further information, address, ISAAC D. SMEAD, Heating and Ventilating Engineer, Toledo, Ohio.



Foundry and Machine Shops of ISAAC D. SMEAD & CO., Manufacturers of HEATING AND VENTILATING APPARATUS, TOLEDO, OHIO.



For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive school and college text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities.

Algebra.	Civil Government.	Eclectic (2)	Euclid's U. S.	Shaw's Series
Sanford's Elementary..... U. P. Co.	Our Republic..... L. S. & S.	Appleton's (2)..... A. B. Co.	Swinton's..... S. & Co.	Richardson's Primer of Am.
Nicholson's..... " " "	Elements of..... S. B. & Co.	Appleton's Physical..... A. B. Co.	Ridpath..... A. B. Co.	Literature..... H. M. & Co.
Venable's Easy..... " " "	Studies in..... S. B. & Co.	Potter's Advanced..... J. E. P. & Co.	Evolution Series—Nations..... W. B. H.	Benton's Outline of Eng. Lit. C. S. Sons
Venable High School..... " " "	Andrews' Constitut..... A. B. Co.	Potter's Elementary..... J. E. P. & Co.	Montgomery's Beginners..... Ginn & Co.	Heroes and Hero Worship..... C. S. Sons
Collin's Text Book..... A. S. & Co.	Martin's Civil Govern..... " " "	A Commercial Geog..... L. S. & S.	Myer's Series..... " " "	Teach. and Studying Lang..... " " "
Loomis..... " " "	McClary's Civics..... " " "	Hist. Atlas and Gen. History S. B. & Co.	Myer's and Allen's Anc. His..... " " "	Science of Eng. Verse..... " " "
Milne's Ind. and High..... " " "	Townsend's Analysis..... G. & Co.	Geography of N. Y. State..... P. & P.	Montgomery's Leading Facts..... " " "	Eng. Lands, Letters and Kings..... " " "
Ray's Series..... " " "	Macy's Government..... D. C. H. & Co.	Griffin's Topical Method..... C. W. B.	Montgomery's Leading Facts..... " " "	Books and Reading..... " " "
Robinson's Series..... " " "	Wenzel's Government..... D. C. H. & Co.	Wilkin's Map Drawing..... " " "	Montgomery's Leading Facts..... " " "	Manual Training.
Wentworth's Series..... G. & Co.	Wilson's "The State"..... " " "	Geometry and Trig.	Montgomery's Leading Facts..... " " "	McArthur's Man. Ind..... D. A. & Co.
Bowser's Academic..... D. C. H. & Co.	Dole's Am. Citizen..... " " "	Olney's Series..... S. & Co.	A Brief Compend. of U. S. H. L. S. S.	Manual of Gymnastics..... W. B. H.
College..... " " "	John Fiske's Civil Gov..... H. M. & Co.	Briggs' Ele..... W. B. C.	Great Lives, a Course of Hist.	Gymnastic cards of the Lingg
Atwood's Graded..... " " "	Northam's Civil Govern..... C. W. B.	Welsh's Essentials of..... S. C. G. & Co.	and Biography..... " " "	System..... " " "
Walsh's Comm. Sch..... " " "	Young's Class Book..... M. M. & Co.	Bellows..... J. E. P. & Co.	Hausell's School..... U. P. Co.	Thompson's..... D. C. H. Co.
Well's Academic..... L. S. & S.	Composition and Rhetoric.	Eclectic School..... A. B. & Co.	Hausell's Higher..... " " "	Sloyd-Teacher's Handbook..... S. B. Co.
Higher..... " " "	Rhetoric, Theo. & Prac. C. S. & Sons.	Ray's Series..... " " "	Fisher's The Reformation..... C. S. Sons.	Sloyd's Educational Theory..... " " "
Bradbury's Ele..... T. B. & Co.	Chittenden's Elements of S. C. G. & Co.	Robinson's New G. & T..... " " "	Sloan's The French War..... " " "	Manual Training..... C. S. Sons
Bradbury's & Emery's..... " " "	100 Lessons in Composition..... W. B. H.	Schuyler's Elements..... " " "	and the Revolution..... " " "	Mental Science.
Elements of..... S. B. Co.	Bain's English Part 1 and 2..... A. B. Co.	Stewart's Plane and Solid..... " " "	Johnston's United States..... " " "	Dewey's Psychology..... H. & Bros.
A First Book in..... " " "	Boyd's Elements..... " " "	Schuyler's Trigonometry..... " " "	Its His. and Constitution..... " " "	Bain's Mental..... " " "
Brook's Elementary..... C. S. Co.	Harper's Practical Comp..... " " "	Bowser's Plane and Solid D. C. H. & Co.	Epochs of Ancient History..... " " "	Hewitt's Psychology..... " " "
Meikle's Algebra for Beg..... C. W. B.	Swinton's School Comp..... " " "	Hunt's Grammar School..... " " "	of Modern..... " " "	Schuyler's Psychol..... " " "
Arithmetics.	William's Comp. and Rhet. D. C. H. Co.	Hopkin's Henricus..... " " "	Northam's Fixing of Facts..... C. W. B.	De Garmo's Lindner's..... D. C. H. & Co.
Sheldon's Elementary..... S. & Co.	Gilmire's Rhetoric..... L. S. S.	Bowser's Elements of Trig..... " " "	Julian's Brief Views..... " " "	Rudiment Psychol..... L. S. & S.
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Franklin Series..... " " "	Complete Rhetoric..... " " "	" Solid..... " " "	Baba's Grammar..... D. A. & Co.	chology..... C. S. Sons
Sheldon's Elements..... " " "	Danish.	" Plane and Solid..... " " "	Language and Grammar.	Ladd's Primer of Psychology..... " " "
Olney's Principles..... " " "	Groth's Grammar..... D. C. H. & Co.	" Plane Trig..... " " "	Patterson's Grammar..... S. & Co.	Rooper's Pot of Green Feath-
Harper's Advanced..... H. & Bros.	Dictionaries.	" Essentials of..... " " "	Corbett's English..... D. A. & Co.	ers..... C. W. B.
Manual of Arith. for prim. gr. W. B. H.	Meadow's French German..... D. A. & Co.	" Geom. and Trig..... " " "	Reed's Int. Lang. Work..... M. M. & Co.	Moral Science.
Nicholson's Series..... U. P. Co.	Millhouse English-Italian..... " " "	Welch's Trig..... S. B. Co.	Reed & Kellogg's Graded..... " " "	Haven's Series..... S. & Co.
Sanford's Series..... " " "	White's Latin..... H. & Bros.	Hill's Lessons in..... G. & Co.	Higher..... " " "	Wayland's..... " " "
Venable's Series..... " " "	Brown & Haldeman's..... U. P. Co.	" Geometry for Beginners..... " " "	Maxwell's (3)..... A. B. Co.	Bain's Moral..... A. B. Co.
White's Series..... A. B. Co.	Webster's School..... A. B. Co.	Wentworth's Series..... " " "	Harvey's (2)..... " " "	Muirhead's Elements of Ethics C. S. Sons
Robinson's Series..... " " "	Heath's German..... D. C. H. Co.	Bradbury's Element Plane..... T. B. & Co.	Conklin's..... " " "	Music.
Ray's..... " " "	Webster's International..... G. & C. M. Co.	" Trig..... " " "	Metcalfe's & Bright's..... " " "	Mason's Nat. Series..... Ginn & Co.
Milne's E and St..... " " "	Nat'l Pict..... " " "	" Geom. and Trig..... " " "	Tarbell's..... Ginn & Co.	Jepson Series..... A. B. Co.
Wentworth's Primary..... Ginn & Co.	Drawing.	" Academic Plane..... " " "	Knox-Heath's Element..... " " "	Loomis..... " " "
Wentworth's & Reeds..... " " "	Avery's..... U. P. Co.	" and Solid..... " " "	Whitney & Lockwood's..... " " "	Whitling's Series..... D. C. H. Co.
Wentworth's Gram. School..... " " "	White's Course..... A. B. Co.	ing..... Trig. and Survey..... " " "	Meiklejohn's..... D. C. H. Co.	Normal Music Course..... S. B. Co.
First Lessons in Nos..... L. S. & S.	Bartholomew's Free Hand..... " " "	Venable's..... U. P. Co.	Meiklejohn's Eng. Gram..... D. C. H. Co.	High School Collection..... " " "
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New Intellectual..... " " "	" Introduce S. C. (1)..... " " "	Brook's Geometry and Trig..... " " "	First Les. in Lang..... L. S. S.	Sunshine Melodies..... " " "
Well's Academic..... " " "	" Complete Course (1-6)..... " " "	Brook's Geometry..... " " "	Elem. of Comp. and Gram..... " " "	Students Hymns..... " " "
The Normal Course (2)..... S. B. Co.	" Compl. Course (7-10)..... " " "	" Nor. Meth. of Teach..... " " "	Normal Course in Eng (3)..... S. B. Co.	Normal Music Charts..... " " "
Cogswell's Lessons..... T. B. Co.	" Manual for Primary..... " " "	German.	Welsh Series..... " " "	Riverside Song Book..... H. M. & Co.
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Practical..... " " "	Manual for Primary..... " " "	Erstes Buch..... W. B. H.	Judson P. Welsh's Prac. Gram..... C. S. Co.	E. O. L. School Song Book..... C. S. Sons
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Hoover's Pestalozzian Arith..... " " "	Modeling Part II..... " " "	Steinbrecher's Song & G..... W. B. H.	New Pract. Grammar..... W. & H.	Buckley's Short His. of..... D. A. & Co.
Welch's Intermediate Probl..... " " "	" Primary Manual 'Use..... " " "	Sheldon's Short Gram..... D. C. H. Co.	Sheldon's Prim. Lang. Less..... S. & Co.	Newcomb's Pop. Astronomy H. & Bros.
Thompson's First Lesson..... M. M. & Co.	" of Models..... " " "	Joynes-Meisner's Gram..... " " "	Adv..... " " "	Dodge's Intro. to Ele. Bio..... " " "
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Young's Lessons in Ele..... " " "	Revised and Enl..... " " "	Steele's Fourteen Weeks in..... " " "	Sallust..... " " "	Pedagogics.
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Boyer's..... D. C. H. & Co.	Swinton's Studies in Eng. Lit..... " " "	See Language and Grammar.	Virgil..... " " "	Jackson's Theory and Prac..... " " "
Stevenson's Studies..... D. A. & Co.	Manual of Rhymes, selections..... " " "	Greek.	Xenophon..... " " "	of Handwriting..... " " "
Well's Text Book..... W. B. C.	and Phrases..... W. B. H.	Jones' Greek Prose Comp..... S. C. G. & Co.	Hellicia..... " " "	Art of School Manag..... D. A. & Co.
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Comp..... " " "	Intro to the Study of Eng..... " " "	Harkness' First..... " " "	Harper & Tolman's Caesar's..... " " "	Fitch's Lectures on Teaching..... " " "
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Spalding's Ele..... D. C. H. & Co.	New Method..... S. B. Co.	Three Thousand Words..... S. B. Co.	Harper & Miller's Virgil's..... " " "	Davidson's Aristotle and the..... " " "
Botany.	White's Eng. Lit..... J. E. P. & Co.	White's First Lessons in..... Ginn & Co.	Aeneid..... " " "	Ancient Edu. Ideal..... C. S. Sons
Native Trees..... W. B. H.	Welsh's Lib. Ed., 2 vols..... S. C. G. & Co.	Goodwin's Gram..... " " "	Allen's Latin Comp..... Ginn & Co.	Bowen's Froebel and Edu..... " " "
Appar's Plant Analysis..... A. B. Co.	Daniel's Outlines..... C. W. B.	Goodwin & White's Anabasis..... " " "	Allen & Greenough's Gram..... " " "	through self activity..... " " "
Bentley's Physiological..... " " "	French.	Leighton's Lessons..... " " "	Caesar, Cicero, Avis, Virgil..... " " "	De Garmo's Herbart and the..... " " "
Coulter's Manual..... " " "	Heath's Fr. Dict..... D. C. H. Co.	Seymour's School Iliad..... " " "	Collar's Prac. Lat. Comp..... " " "	Herbartians..... " " "
Dana's How to know the..... " " "	Super's Fr. Rdr..... D. C. H. & Co.	Woodruff's Prose Comp..... " " "	Collar & Daniel's Beginners..... " " "	Penmanship.
Wild Flowers..... C. S. Sons	Houghton's French..... " " "	Hahn's Novum Test..... D. A. & Co.	Latin Book..... " " "	Pen Writt. Copies..... W. & B.
Chemistry.	Prandgent's Fr. Comp..... " " "	Tutorial reader..... W. B. C.	Low & Ewing's Caesar..... A. S. & Co.	Harrison's Vertical..... W. B. H.
Armstrong & Norton's Man..... A. B. Co.	Steinbrecher Songs and G..... W. B. H.	Hebrew.	Johnston's Cicero..... " " "	Columbian System..... S. B. & Co.
Brewster's First Book..... " " "	Mannel de Litterature..... W. R. J.	Elements of Hebrew..... C. S. Sons	Riggs' In Latinum..... " " "	Duntonian..... T. B. & Co.
Clark's Elements..... " " "	College Preparatory Gram..... " " "	Introd. Heb. Meth. and Man..... " " "	Tuell & Fowler's Beg..... L. S. S.	Normal System..... S. B. & Co.
Cooley's Text Book..... " " "	Paul Berby's Reader..... " " "	Elements of Hebrew Syntax..... " " "	Daniell's Lat. Prose Comp..... " " "	Spencerian Copy Books..... A. B. Co.
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# Directory

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This directory has been prepared for the convenience of Secretaries, Boards of Education and school officials who contemplate the erection of school houses, and the purchase of School Furniture, Supplies and Equipment. The names of reliable firms only are listed. Write them for estimates and other information.

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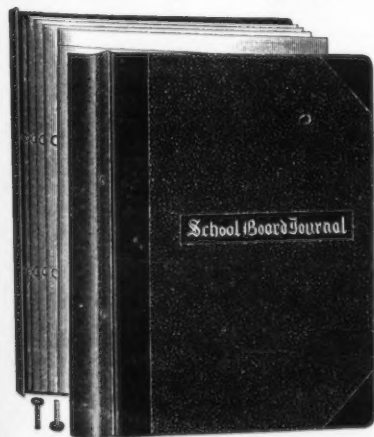
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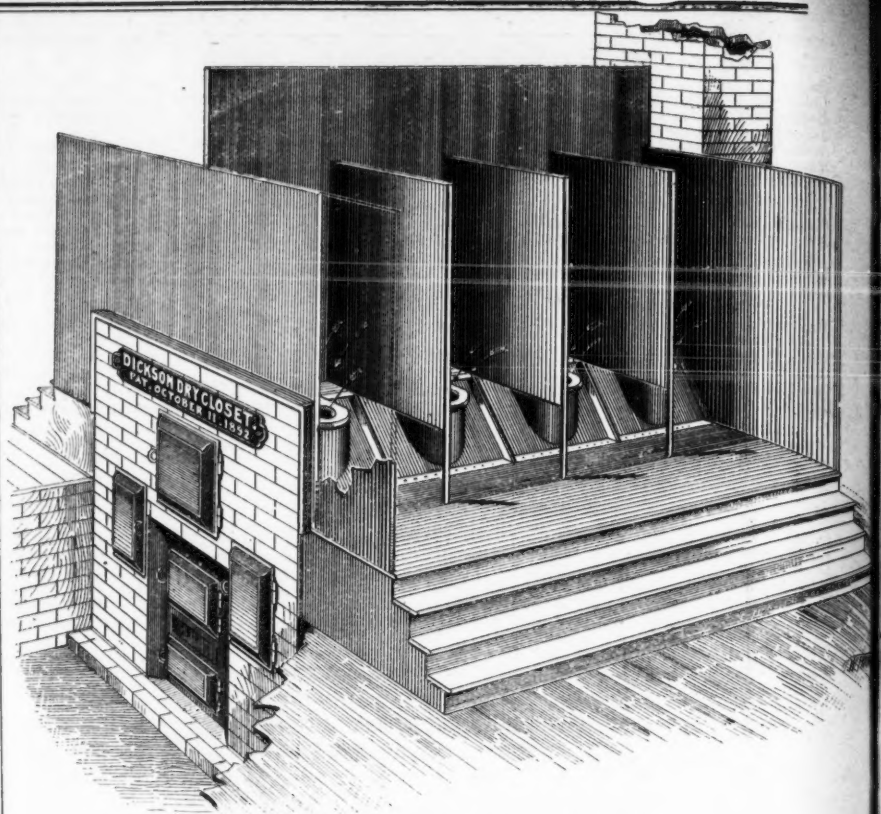
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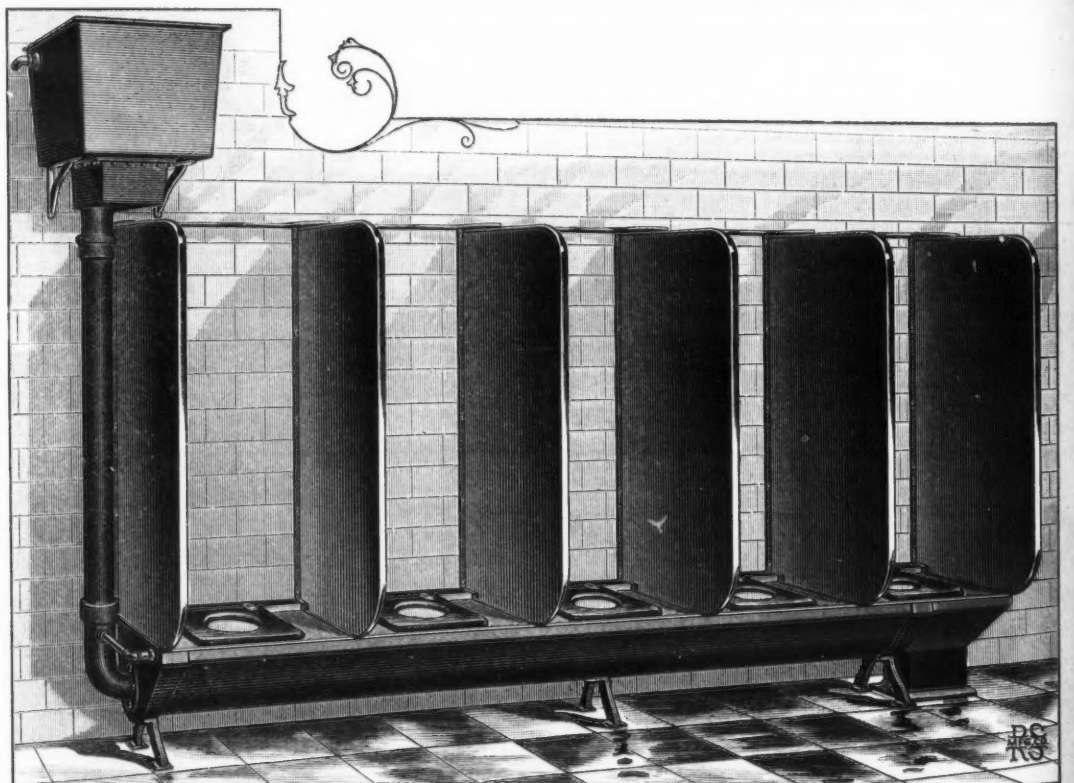
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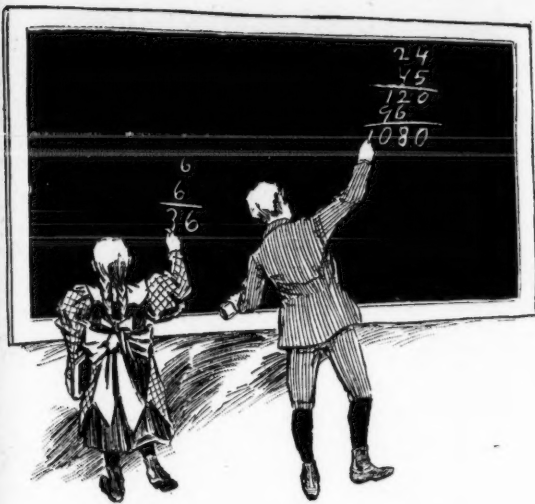
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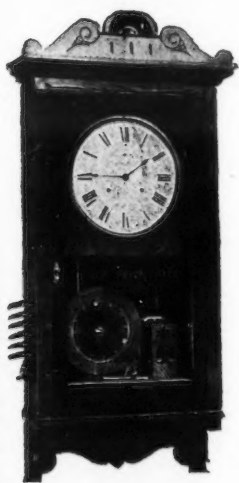
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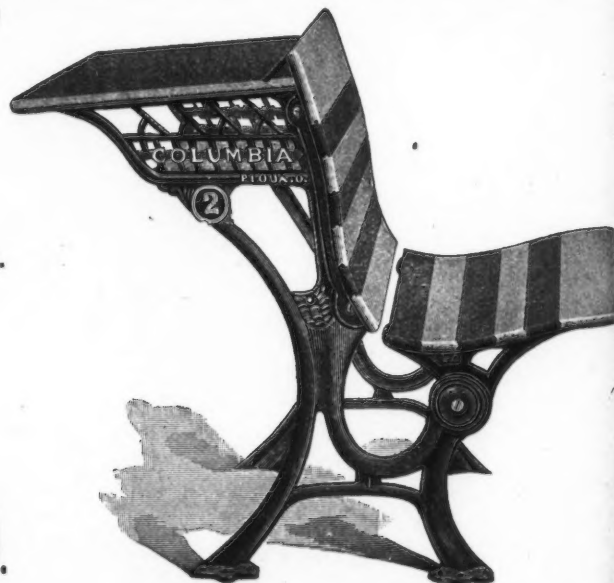
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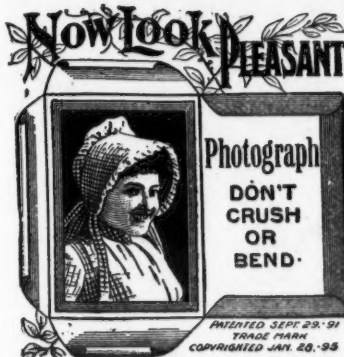
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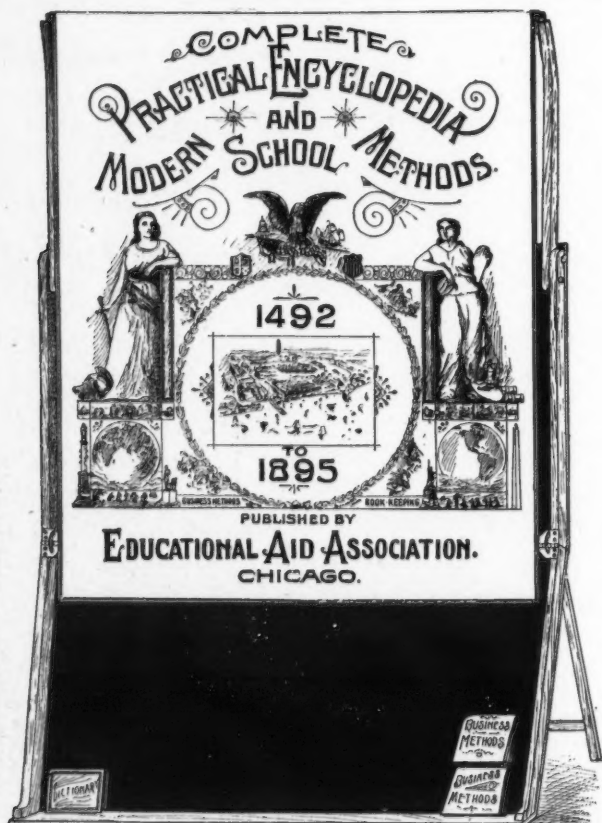
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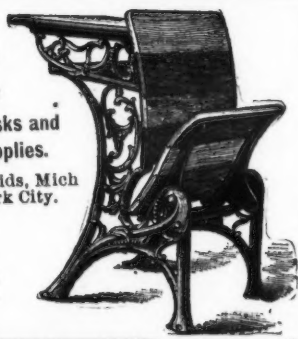
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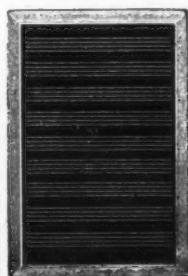


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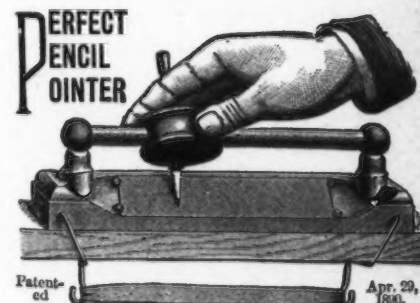
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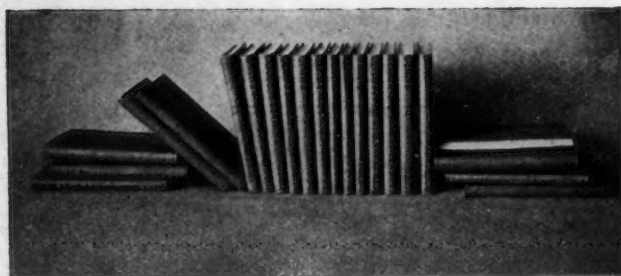
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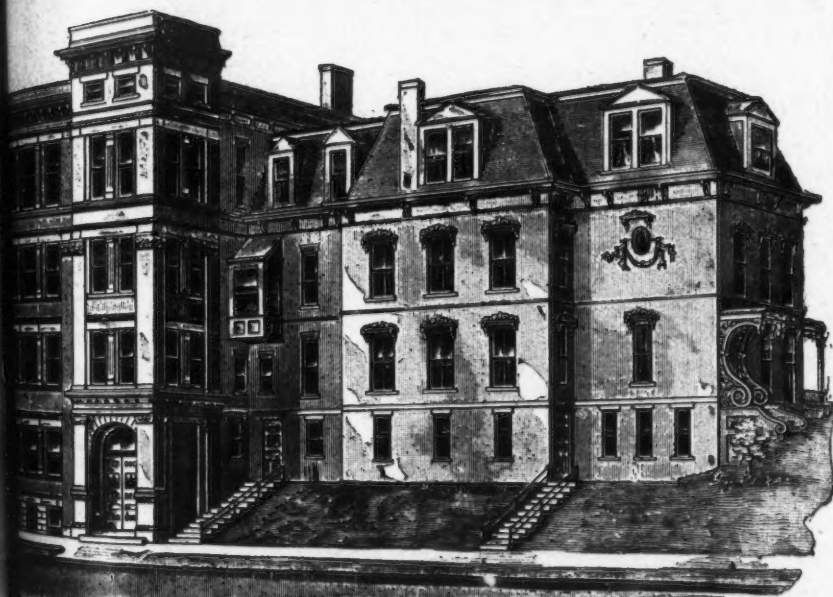
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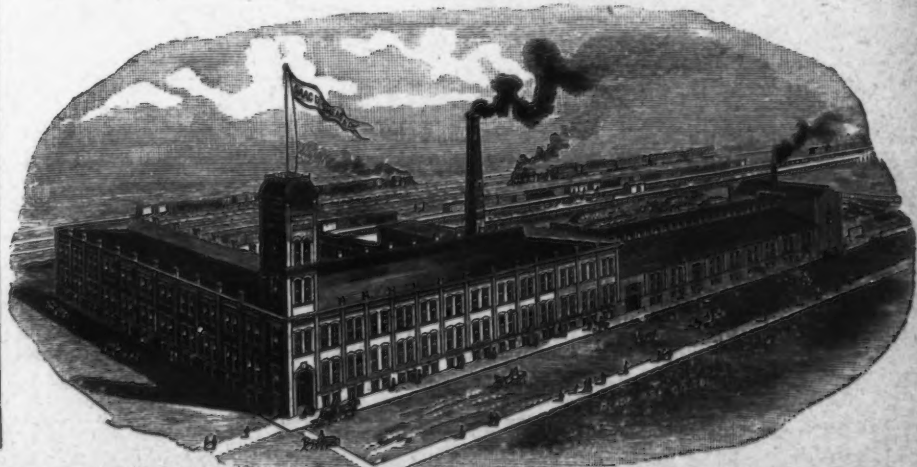


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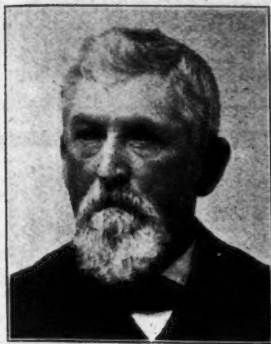
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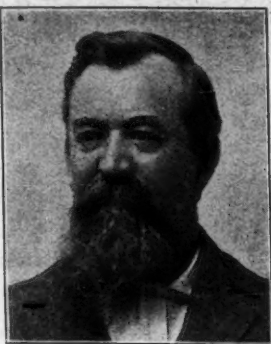
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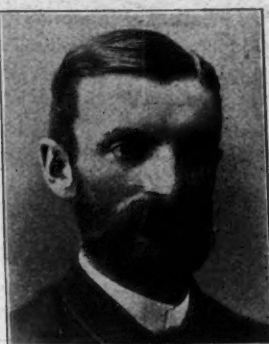
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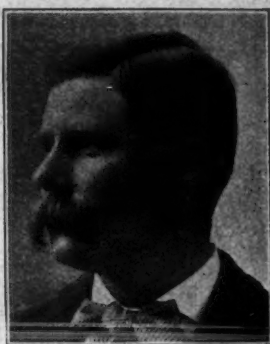
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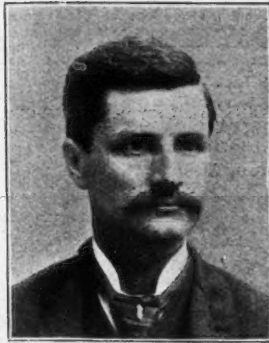
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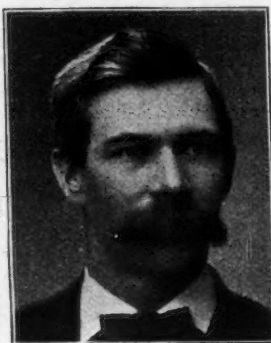
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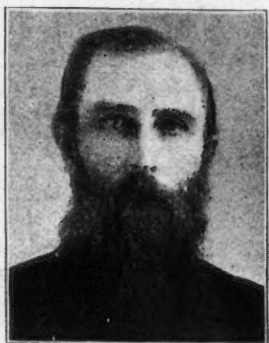
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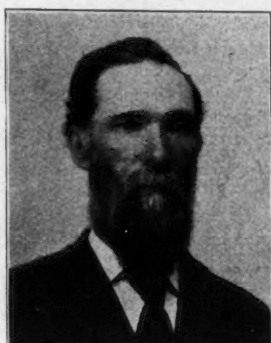
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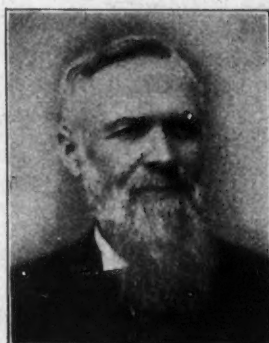
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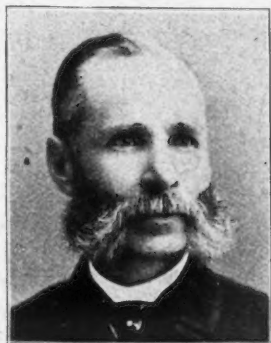
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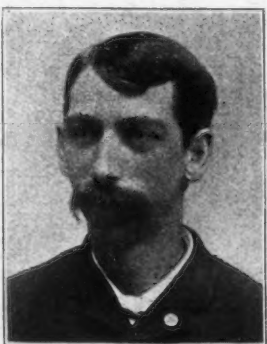
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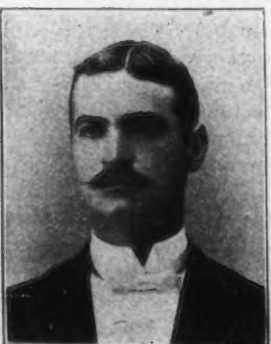
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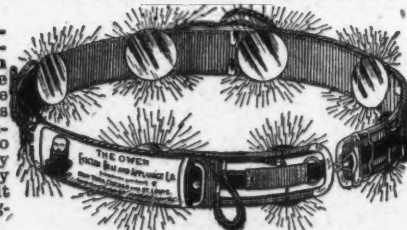
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To Teachers.—Will you kindly call the attention of pupils to this offer?

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## A PROOF.

UNIVERSITY OF WISCONSIN, Department of Geology and Mineralogy. Charles R. Van Hise, William H. Hobbs, J. Morgan Clements.

MADISON, WIS., Jan. 16, 1895.

CENTRAL SCHOOL SUPPLY HOUSE,  
Chicago.

GENTLEMEN:—I have examined your new series of Relief Maps of North America, South America, Europe, Asia, Africa, United States, and the World, and can heartily recommend them to all teachers of Geography. In any school room in which they are placed they will be of great assistance in teaching political and physical geography. If suspended upon the walls of a school room, the knowledge which the children would gain from these Maps in a single year would be more valuable than the total cost of the set.

Very truly yours,

C. R. VAN HISE,

Professor of Geology.

## CENTRAL SCHOOL SUPPLY HOUSE,

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CHICAGO, ILL.

### MORE SCHOOL BOARD CONVENTIONS.

Sharon, Pa. The school directors of Mercer Co. met and the following subjects were discussed:

The best method of heating and ventilating school houses—L. A. McCrumb, F. F. Osborne, T. M. Jackson.

A short course in agriculture in connection with our public schools—J. W. Allison, George Bunny, Henry Kremis.

What shall be done with the state appropriation?—M. W. Jenkins, Alpheus Mook, S. W. McVey.

A uniform series of text-books for the county and supply depots—H. H. Gregg, John Anderson, R. I. Campbell.

A code of morals in connection with our public school.—Rev. T. D. Stewart, C. W. Perrine, J. M. Albin.

The Texas School Trustees' Association will meet at Dallas, June 27. Hon. J. J. Collins, President of the Association, says: "It is believed that no body capable of accomplishing such vast good, has been organized in this state within a decade, but the importance attached to it by the school boards

of the state will be fairly indicated by the attendance upon this meeting. Let us counsel together; let us co-operate and so develop a *State System* of perfect symmetry. Other states are organizing—keep Texas in the van. To frame laws governing our public schools, to be thoroughly acquainted with the best methods of administration, to be alive to every phase and problem of school progress are duties whose weight is felt only by honest, patriotic, enterprising citizens."

The Central Educational Bureau, Philadelphia, has removed its quarters from 1341 to 1330 Arch St. This bureau has been established since 1880, and rendered splendid services to both school boards and teachers. The vigorous manner of Edward C. Dixon, its manager, the honorable methods employed and the efficiency

of the bureau in all its appointments has won for it the confidence of the educational public.

Cleveland, O. Recommendation adopted for separate morning and afternoon sessions in the high schools. The schools will be reorganized at the opening of the fall term and the pupils of each of the high schools will be divided into two sections, one to recite in the morning and the other in the afternoon.



GEO. BORGERDING,  
Treasurer School Board,  
New Albany, Ind.

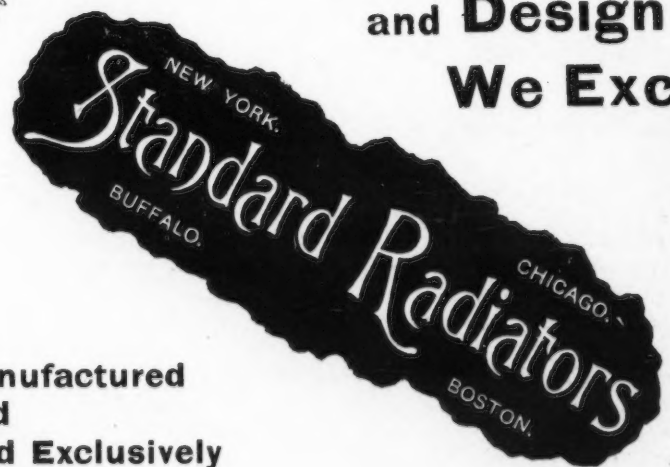


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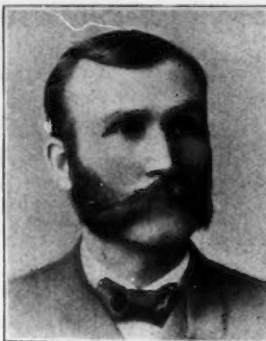
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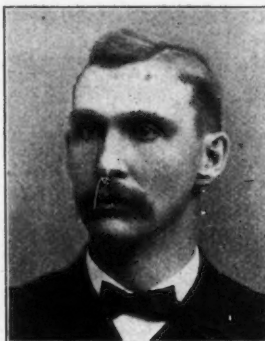
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## EUROPE

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Anglo-American Excursion Society,  
85 Broadway, New York.

Mr. Lewis B. Avery, President of the State Normal School at Mayville, N. D., was born in Wisconsin in 1859.



LEWIS B. AVERY,  
Mgr. Nat'l Ed. Ass'n  
Mayville, N. D.

He completed his common school course in the city schools of Akron, Ohio, where he also attended high school. He graduated from Tabor College, Iowa, in 1883, and holds both the bachelor's and master's degree in science. He has done special work in scientific and pedagogical lines in other institutions. Mr. Avery began his teaching in rural schools, was seven years principal and superintendent of village and city schools in Iowa and Minnesota, and was four years in charge of the science department of the State Normal School at St. Cloud, Minnesota. In his public school work, Mr. Avery made a local reputation as an organizer, and for ability to harmonize and direct discordant interests. Unfortunate complications having arisen in the North Dakota school, threatening its very existence, the State Board called Mr. Avery from his departmental work in Minnesota to his present position in 1893. Mr. Avery has been successful in gathering together a strong faculty with well-rounded education and experience. Their efficiency has added to the popularity of the school, which has doubled its numbers, and easily justifies the terse statement in the official report of the State Committee of Inspection that "The work done in this Institution is first-class and a credit to the State." Mr. Avery has now been appointed Manager of the N. E. A. for North Dakota, and also elected Director.

### A VERTICAL WRITING SYSTEM.

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Jackson recognizes in the first place the fundamental principle, *symmetry*. You will find that all "lines of strength" are parallel to each other, and slightly emphasized to make this clear. In other systems main lines both in up and down strokes lack uniformity and "parallelism."

The pedagogical principles of Vertical writing are:

1. That but two series of lines can be established in the mind so as to be reproduced with uniformity. These are the *Vertical* and *Horizontal*.
2. That to obtain good writing the general direction of all main lines be the same, as it is almost or quite impossible for anyone to make any sloping lines with uniformity of slope at all times, and as it is possible to make vertical lines practically parallel to each other and therefore uniform and with symmetrical appearance, hence good writing can be taught more easily in vertical and must be based upon vertical line practice.

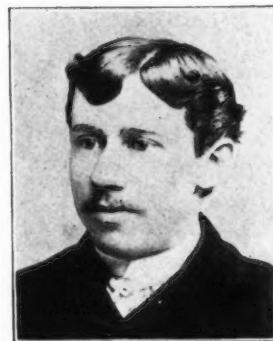
Symmetry is the basis of all good pedagogy, and harmony is its twin sister. Place before children several series of lines as follows:

Which will be selected as the most pleasing, and why? In same way of the two series of letters is it not quite easy to state reasons why one pleases and the other does not? So it is with writing. Will we say to the pupils "write that over, it is done badly," or will we teach them why their writing looks uneven and make them self-helpful.

Above all, as teachers, we must avoid this mechanical reproduction work which retards, not stimulates. Give chil-

dren good reasons, let them see that they are gaining ground and their work will prove not alone less distasteful, but in most cases a source of pleasure to themselves and the teacher as well.

President James Hamill, of the Garret Co. school board, was born in Garret Co., Md., May 8th 1861, was taught the primary branches in his native county and entered Randolph Macon College, Ash-



JAS. D. HAMILL,  
President Board Co. School Com-  
mittee, Oakland, Md.

land, Va., in 1884. In 1885 he entered St. John's College at Annapolis, Md., and pursued his studies there for several years. He served as acting Postmaster at Oakland, Md., from 1885 to 1889, and embarked in mercantile business in 1890, and is still actively engaged in that pursuit. In 1893 he was appointed, by Governor Frank

Brown, a member of the school board of his native county, and in the same year was elected its president. He is a very active school man, and has accomplished much for the board over which he presides.

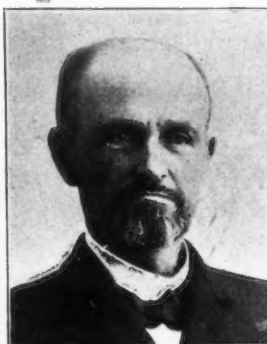
### The Laborer and His Hire.

Committeeman (to public school teacher)—We was thinkin' a' puttin' up a nice motto over your desk to encourage the children; what do you say? How would "Knowledge is Wealth" do?

School teacher—That won't do. The children know how small my salary is.



S. M. N. MARRS,  
Supt. Schools, Terrell, Tex.



A. J. CHILDRESS,  
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FULL BIBLIOGRAPHICAL REFERENCES, ILLUSTRATIVE READINGS, AND APPENDICES.

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The treatment of public questions is broad, interesting, and impartial, without losing the American spirit. It is an honest, intelligent, and well-molded book.

One merit the book has which is so unusual as to be worthy of special mention, and which adapts it for teaching in the newer methods of school history. Each of the twenty chapters is preceded by a well-chosen bibliography, intended to lead the pupils to other authorities on the same period. As a book to be taught, to be studied, to lead to other reading, and to keep for reference, it deserves much praise."

532 Pages. Half Leather. Introduction price, \$1.00.

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An even temper in the School Board will mean an even temperature in the school.

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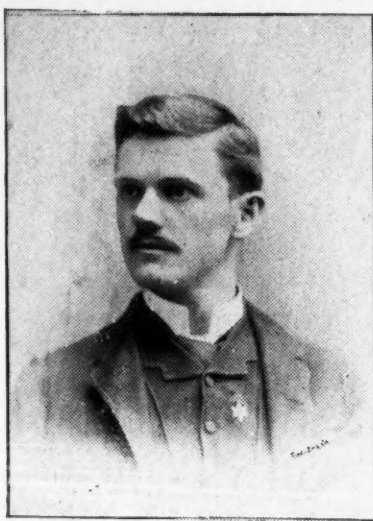
HON. WM. L. WILEY,  
President Board of Education,  
Galva, Ill.



H. C. COGGS,  
Member Board of Education,  
Bridgeport, Conn.

GOVERNMENT CLASS BOOK. By Young. Published by Maynard, Merrill & Co., N. Y. Mailing price, \$1.05.

The general appearance and make-up of this volume will elicit nothing but words of praise for its author and publisher. Its style excels in purity and simplicity in diction, and its arrangement is both natural and logical. The pivot upon which the subject matter of this book turns is the Constitution of the United States. It is divided into two parts. Part I. is devoted to the expounding of the first principles of law, but more particularly to an explanation of the relation of the State to the Nation. It is unfortunately true that many of our American youths have grown to manhood without knowing or appreciating the importance of state



C. L. HAYES,  
Superintendent of Schools, Lebanon, Tenn.

and national rights. In this respect the book is timely. Part II. treats of the main principles which govern the rights and duties of man to man and the relation of nations to each other. In a word, this volume presents a general view of the position of a citizen in all the relations he may sustain to his state, to his nation, and to foreign nations. Teachers and students interested in this subject will act wisely by giving this book their careful attention.

F. L.

OLD MOTHER EARTH, HER HIGHWAYS AND BYWAYS. By Josephine Simpson. Published by William Beverly Harrison, New York.

This little volume treats of our old wrinkled mother, the earth. It leads the young beginner step by step into Nature's labyrinths and, in the language of fairyland, speaks of the great natural phenomena which have made and are still making themselves felt without and within this planet of ours. Its style is simple but forcible, and the reading matter is such as to excite nothing but interest and leave lasting impressions upon young readers. It should be in the hands of all teachers, parents and pupils.

F. L.

Charles Scribner's Sons, in addition to their attractive list of books in general literature, are also the publishers of an excellent list of school books which teachers will do well to consult.

Among the more important books recently issued by them are "Herbart and the Herbartians," by Dr. Charles DeGarmo, recognized as the best exponent of the Herbartian System as an influence in America, "Ladd's Primer of Psychology," an excellent book for teachers, and Noah Brook's "How the Republic is Governed," for classes in Civil Government. Further information in regard to these books may be obtained by addressing Educational Department, Charles Scribner's Sons, New York.

## BOOKS RECEIVED.

Friedrich Froebel's Pedagogics of the Kindergarten, or, His Ideas Concerning the Play and Playthings of the Child. Published by D. Appleton, New York.

Merrill's Vertical Penmanship, Nos. 1, 2, 3, 4, 5, and 6. Published by Maynard, Merrill & Co., New York.

Reference Handbook of American History by the Library Method. By A. W. Bacheler. Published by Lee & Shepard, Boston.

Scott's Complete Poetical Works. With introduction, by Charles Eliot Norton, and Biographical Sketch, by Nathan Haskell Dole. Published by Thomas Y. Crowell & Co., N. Y. Price \$1.

Eugenie Grandet, Par Honore De Balzac. By Eugene Bergeron. Published by Henry Holt & Co., N. Y. Price 80c.

The Schoolmaster in Comedy and Satire—a companion to The Schoolmaster in Literature. Published by American Book Co., New York.

School Interests and Duties. By Robert M. King. Published by the American Book Co., New York.

The Teaching of Handwriting. By John Jackson F. E. I. S. Published by Wm. Beverley Harrison, New York. Price 50c.

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Topics for the Study of Greek Mythology. By Anna Gooding Dodge. Published by Lee & Shepard, Boston, Mass.

English History, Laboratory Method. By Mary E. Wilder. Published by Lee & Shepard, Boston, Mass.

Sir Francis Bacon's Cipher Story, Discovered and Deciphered by Orville W. Owen, M. D. Published by the Howard Publishing Co., Detroit.

The Tragical Historie of the Earl of Essex. By Orville W. Owen, M. D. Published by the Howard Publishing Co., Detroit, Mich. Price \$1.

Hand Book of English Composition. By James Morgan Hart. Published by Eldredge & Bros., Philadelphia.

Present and Extinct Lakes of Nevada. By Israel C. Russell. Published by the American Book Co., New York. Price 25c.

The Williams & Rogers Mental Arithmetic. By James M. Cook, A. M. Published by Williams & Rogers, Rochester, N. Y. Price 50 cents.

## MAGAZINES RECEIVED.

The Forum for May. Published by the Forum Publishing Co., New York. Price 25 cents.

The Review of Reviews for May. Published in New York. Price \$2.50 per year.

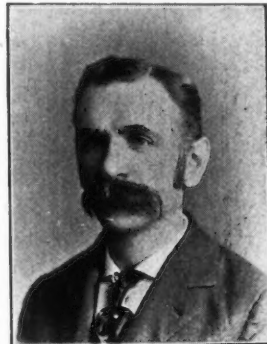
Self-Culture for May. Published by the Werner Company, Chicago. Price 20 cents.

The Arena for May. Published by the Arena Publishing Co., Boston, Mass. Price 50 cents.

Harper's Monthly Magazine for May. Published by Harper & Bros., New York. Price \$4.00 per year.

Scribner's Magazine for June. Published by Charles Scribner's Sons, New York. Price 25 cents.

Lippincott's Magazine for June. Published by J. B. Lippincott Co., Philadelphia. Price 25 cents.



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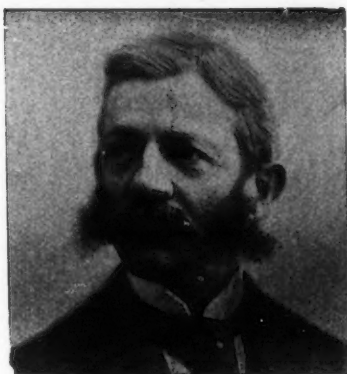
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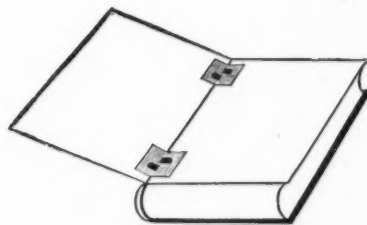
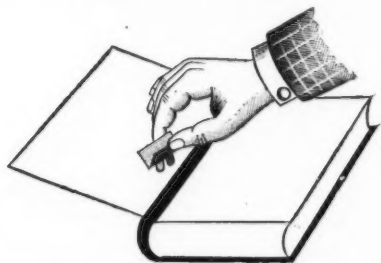
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For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive school and college text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities.

<b>Algebra.</b> Sanford's Elementary..... U. P. Co. Nicholson's "..... " " Venable's Easy "..... " " Venable High School..... " " Collins' Text Book..... A. S. & Co. Loomis "..... " " Milne's Ind. and High..... " " Ray's Series..... " " Robinson's Series..... " " Wentworth's Series..... G. & Co. Bowser's Academic..... D. C. H. & Co. College..... " " Atwood's Graded..... " " Walsh's Comm. Sch..... " " Well's Academic..... L. S. & S. Higher..... " " Bradbury's Ele..... T. B. & Co. Bradbury's & Emery's..... " " Elements of..... S. B. Co. A First Book in..... " " Brook's Elem. Algebra..... C. S. Co. Meikle's Algebra for Beg..... C. W. B.	<b>Civil Government.</b> Our Republic..... L. S. & S. Elements of..... S. B. & Co. Studies in..... S. B. & Co. Andrews' Constitut..... A. B. Co. Martin's Civil Govern..... " " McCleary's Civics..... " " Townsend's Analysis..... " " Macy's Government..... G. & Co. Wenzel's Government..... D. C. H. & Co. Wilson's "The State"..... " " Dole's Am. Citizen..... " " John Fiske's Civil Gov..... H. M. & Co. Northam's Civil Govern..... C. W. B. Young's Class Book..... M. M. & Co. <b>Composition and Rhetoric.</b> Rhetoric, Theo. & Prac..... C. S. & Sons. Chittenden's Elements of S. C. G. & Co. 100 Lessons in Composition..... W. B. H. Bain's English Part I and 2..... A. B. Co. Boyd's Elements..... " " Harper's Practical Comp..... " " Swinton's School Comp..... " " William's Comp. and Rhet..... D. C. H. Co. Gilmire's Rhetoric..... L. S. S. English Composition..... S. B. Co. Complete Rhetoric..... " " <b>Danish.</b> Groth's Grammar..... D. C. H. & Co. <b>Dictionaries.</b> Meadow's French German..... D. A. & Co. Adler's German English..... " " Millhouse English-Italian..... " " Lewis Ele. Latin..... H. & Bros. Brown & Haldeman's..... U. P. Co. Webster's School..... A. B. Co. Heath's German..... D. C. H. Co. Webster's International..... G. & C. M. Co. Nat'l Dict..... " " <b>Drawing.</b> Avery's..... U. P. Co. White's Course..... A. B. Co. Bartholomews Free Hand..... " " Eclectic Industrial..... " " Thompson's Course..... D. C. H. Co. Prangs Shorter Course (5)..... P. E. Co. " Introduce S. C. (1)..... " " " Complete Course (1-6)..... " " " Compl. Course (7-10)..... " " " Manual for Primary..... " " " Course Part I..... " " " Manual for Primary..... " " " Course Part II..... " " " Primary Manual without Clay..... " " " Modeling Part I..... " " " Primary Manual without Clay..... " " " Modeling Part II..... " " " Primary Manual 'Use of Models'..... " " " Shorter Course Mann..... " " " Intr. Shorter Course..... " " " Manual..... " " Montgomery's Normal Union..... " " Sys. of Draw. Ser. (1 to 18)..... C. S. Co. <b>English.</b> The Orthopist..... D. A. & Co. The Verbalist..... " " Bain's Teach. English..... " " Bryant's Leadfets..... " " Low's Language..... W. B. C. A. S. Hill's Foundation of..... " " Rhet. Revised and Enl..... H. & Bros. A. S. Hill's Principles of Rhet..... " " Revised and Enl..... " " Roife's English Classics Incl..... " " Shakespeare and select Eng..... " " Swinton's Studies in Eng. Lit..... " " Manual of Rhymes, selections..... " " and Phrases..... W. B. H. Easy Prob. for Young Think..... " " Ex. for Washington's Birthd..... " " Exercises for Arbor Day..... " " Alden's Studies in Bryant..... A. B. Co. Brook's English..... " " Gillman's First Steps..... " " Gillman's Early Lit..... " " Schoolmaster in Lit..... " " Smith's Studies in..... " " Meiklejohn's Eng. Lit..... D. C. H. Co. Hawthorne and Lemmon's..... " " Johnston & Browne's..... U. P. Co. Morgan's Eng. and Am. Lit..... L. S. S. Intro to the Study of Eng..... " " Kellogg's Text Book on..... M. M. Co. New Method..... S. B. Co. Baldwin's Eng. Lit..... J. E. P. & Co. Welsh's Lib. Ed., 2 vols..... S. C. G. & Co. Daniel's Outlines..... C. W. B.	<b>Eclectic (2)..... A. B. Co.</b> Appletons (2)..... " " Appleton's Physical..... A. B. Co. Potter's Advanced..... J. E. P. & Co. Potter's Elementary..... " " A Commercial Geog..... L. S. & S. Hist. Atlas and Gen. History S. B. & Co. Geography of N. Y. State..... P. & P. Griffin's Topical Method..... C. W. B. Wilkin's Map Drawing..... " " <b>Geometry and Trig.</b> Olney's Series..... S. & Co. Briggs' Ele..... W. B. C. Welsh's Essentials of..... S. C. G. & Co. Bellow's..... J. E. P. & Co. Eclectic School..... A. B. & Co. Ray's Series..... " " Robinson's New G. & T..... " " Schuyler's Elements..... " " Stewart's Plane and Solid..... " " Schuyler's Trigonometry..... " " Bowser's Plane and Solid D. C. H. & Co. Hunt's Grammar School..... " " Hopkin's Henriette..... " " Bowser's Elements of Trig..... " " Advanced Trig..... " " Well's Plane..... L. S. & S. " Solid..... " " " Plane and Solid..... " " " Plane Trig..... " " " Essentials of..... " " " Geom. and Trig..... " " Welch's Trig..... S. B. Co. Hill's Lessons in..... G. & Co. " Geometry for Beginners..... " " Wentworth's Series..... " " Bradbury's Element Plane..... T. B. & Co. " Trig..... " " " Geom. and Trig..... " " " Academic Plane..... " " " Plane..... " " " and Solid..... " " " Trig. and Surveying..... " " Venable's..... U. P. Co. Brook's Plane and Solid Geo..... C. S. Co. " Spher..... " " " ical Trigonometry..... " " Brook's Geometry and Trig..... " " Brook's Geometry..... " " <b>German.</b> Knoffach's..... U. P. Co. Erstes Buch..... W. B. J. Adler's Prog. Germ. Read..... A. B. Co. Dreyssing Series..... " " Eclectic German Series..... " " Johannott's..... " " Steinbrecher's Song & G..... W. B. H. Sheldon's Short Gram..... D. C. H. Co. Joynes-Meisner's Gram..... " " Deutsch's Germ. Rdr..... " " Harris' Germ. Comp..... " " Meisner's Germ. Convers..... " " Collar's German Lessons..... Ginn & Co. Stein's German Exercises..... " " Practical Germ Gram..... S. B. Co. Complete Germ Manual..... " " <b>Geology.</b> LeConte's Ele..... D. A. & Co. Lyall's Princ..... " " Winchell's Geo. Excurs..... S. C. G. & Co. Winchell's Geo. Studies..... " " Andrew's Element. Geol..... A. B. Co. Nicholson's Text-Book of..... " " Steele's Fourteen Weeks in..... " " Shaler's..... D. C. H. Co. <b>Grammar.</b> See Language and Grammar. <b>Greek.</b> Jones' Greek Prose Comp..... S. C. G. & Co. Boise's Iliad, first three books..... " " Boise's Iliad, first six books..... " " Boise's Ex. in Greek Syntax..... " " Boise & Freeman's Greek Sel..... " " Boise-Pattengill's First Les..... " " sons in Greek..... S. C. G. & Co. Steven's Oration of Lysias..... " " Jebb's Literature..... A. B. Co. Gladstone's Homer..... " " Coy's First Reader..... " " " for Beginners..... " " Crosby's Lessons..... " " Hadley & Allen's..... " " Harkness' First..... " " Harper & Water's Induct..... " " Three Thousand Words..... S. B. Co. White's First Lessons in..... Ginn & Co. White's Beginner's..... " " Goodwin's Gram..... " " Goodwin & White's Anabasis..... " " Leighton's Lessons..... " " Seymour's School Iliad..... " " Woodruff's Prose Comp..... " " Hahn's Novum Test..... D. A. & Co. Tutorial reader..... W. B. C. <b>Hebrew.</b> Elements of Hebrew..... C. S. Sons Intro. Heb. Meth. and Man..... " " Elements of Hebrew Syntax..... " " Hebrew Vocabularies..... " " <b>Histories.</b> Guizot's Civil..... D. A. & Co. Sewall's Greek..... " " Alcroft's Rom..... W. B. C. Green's Short Hist. Eng. People..... " " Smith's Hist. of Greece..... H. & Bros. " Rome..... " " Stone's History of Eng..... T. B. & Co. Thomas' U. S. History..... D. C. H. Co. Sheldon's Gen. History..... " " " Greek and Roman His..... " " United States Hist..... " " Barnes (8)..... A. B. Co. Eggleston's (2)..... " " Eclectic (2)..... " " Scudder's U. S..... S. & Co.	<b>Swinton's..... A. B. Co.</b> Bidpath..... " " Evolution Series-Nations..... W. B. H. Montgomery's Beginners..... Ginn & Co. " Leading Facts..... " " Myer's Series..... " " Myer's and Allen's Anc. His..... " " Montgomery's Leading Facts..... " " of French History..... " " Montgomery's Leading Facts..... " " of English History..... " " A Brief Compend. of U. S. H..... L. S. S. Great Lives, a Course of Hist..... " " and Biography..... " " Hauwell's School..... U. P. Co. Hauwell's Higher..... " " Fisher's The Reformation..... C. S. Sons. Sloane's The French War..... " " and the Revolution..... " " Johnston's United States..... " " Its His. and Constitution..... " " Epochs of Ancient History..... " " of Modern..... " " Northam's Fixing of Facts..... C. W. B. Julian's Brief Views..... " " <b>Japanese.</b> Baba's Grammar..... D. A. & Co. <b>Language and Grammar.</b> Patterson's Grammar..... S. & Co. Corbett's English..... D. A. & Co. Reed's Int. Lang. Work..... M. M. & Co. Reed & Kellogg's Graded..... " " " Higher..... " " Maxwell's (3)..... A. B. Co. Harvey's (2)..... " " Conklin's..... " " Metcalfe & Bright's..... Ginn & Co. Tarbell's..... " " Knox-Heath's Element..... " " Whitney & Lockwood's..... " " Meiklejohn's Eng. Gram..... D. C. H. Co. Matthew's Gram..... D. C. H. Co. Strang's Ex. in Eng..... " " Hyde's Adv. Eng. Gram..... " " First Les. in Lang..... L. S. S. Elem. of Comp. and Gram..... " " Normal Course in Eng (3)..... S. B. Co. Welsh Series..... " " Essentials of Eng..... " " Judson P. Welsh's Prac. Gram..... C. S. Co. Fearnsmith's Elem. Grammar..... " " " English Grammar..... " " Edward's Graded Exercises..... C. W. B. Wilson's Elem. English..... W. & R. Sheldon's Prim. Lang. Les..... S. & Co. Adv..... " " Plain English..... P. T. B. Co. <b>Latin.</b> Gildersleeve's Series..... U. P. Co. A Drill Vocab. for Virgil..... S. B. Co. Alcroft's Caesar series..... W. B. C. " De Amicitia..... " " " De Senectute..... " " " Pro Archia..... " " Herodotus series..... " " Odyssey..... " " Horace..... " " Juvenal..... " " Levy..... " " Ovid..... " " Plato..... " " Sallust..... " " Sophocles..... " " Tacitus..... " " Virgil..... " " Xenophon..... " " Hellenica..... " " Hayes Latin Grammar..... " " Alcroft's Latin Comp..... " " Tutorial Latin Reader..... " " Lowe & Butler's Bellum Hel..... " " vatum..... A. S. & Co. Harkness Series..... A. B. Co. Harper & Burgess' Induct..... " " Latin Primer..... " " Frieze's Works..... " " D'Ooge's Demosthenes de..... S. C. G. & Co. Corona..... " " Jones' First Lessons..... " " Jones' Prose Composition..... " " Harper & Tolman's Caesar's..... " " Gallic War..... A. B. Co. Harper & Miller's Virgil's..... " " Aeneid..... " " Allen's Latin Comp..... Ginn & Co. Allen & Greenough's Gram..... " " Caesar, Cicero, Virg., Virgil..... " " Collar's Prac. Lat. Comp..... " " Collar & Daniel's Beginners'..... " " Latin Book..... " " Lowe & Ewing's Caesar..... A. S. & Co. Johnston's Cicero..... " " Riggs' in Latinum..... " " Tuell & Fowler's Beg..... L. S. S. Daniel's Lat. Prose Comp..... " " Andrew & Stoddard's Gram..... H. M. & Co. Preble & Hull's Latin Les..... " " <b>Law.</b> Commercial Law..... P. T. B. Co. <b>Logic.</b> Mill's System..... D. A. & Co. Davis' Ele. of Ded..... H. & Bros. Day's Elements of..... A. B. Co. Schuyler's Principles of..... " " Minto's Logic Inductive..... " " and Deductive..... C. S. Sons <b>Literature.</b> Riverside Literature Series..... H. M. & Co. Masterpieces of Am. Liter..... " " Modern Classics..... " " American Poems..... " " American Prose..... " " Boileau's ser. of stan. p'ty..... " " Westlake's..... C. S. & Co.	<b>Shaw's Series..... S. &amp; Co.</b> Richardson's Primer of Am..... " " Literature..... H. M. & Co. Renton's Outline of Eng. Lit. C. S. Sons Heroes and Hero Worship..... C. S. Sons Teach. and Studying Lang..... " " Science of Eng. Verse..... " " Eng. Lands, Letters and Kings..... " " Books and Reading..... " " <b>Manual Training.</b> McArthur's Man. Ind..... D. A. & Co. Manual of Gymnastics..... W. B. H. Gymnastic cards of the Lingg..... " " System..... " " Thompson's..... D. C. H. Co. Sloyd-Teacher's Handbook..... S. B. Co. Sloyd's Educational Theory..... " " Manual Training..... C. S. Sons <b>Mental Science.</b> Dewey's Psychology..... H. & Bros. Bain's Mental..... A. B. Co. Hewett's Psychology..... " " Schuyler's Psychol..... " " De Garmo's Lindner's..... D. C. H. & Co. Fundament Psychol..... L. S. & S. Outlines of Psychological Psy..... " " chology..... C. S. Sons Ladd's Primer of Psychology..... " " Rooper's Pot of Green Feath..... " " ers..... C. W. B. <b>Moral Science.</b> Haven's Series..... S. & Co. Wayland's..... " " Bain's Moral..... A. B. Co. Muirhead's Elements of Ethics..... C. S. Sons <b>Music.</b> Mason's Nat. Series..... Ginn & Co. Jepson Series..... A. B. Co. Loomis..... " " Whiting's Series..... D. C. H. Co. Normal Music Course..... S. B. Co. High School Collection..... " " Aeolian Collection..... " " Enterpean..... " " Cecilian Series..... " " Sunshine Melodies..... " " Students Hymnal..... " " Normal Music Chants..... " " Riverside Song Book..... H. M. & Co. Russell's Vocal Culture..... " " E. O. L. School Song Book..... C. S. Sons Song Budget Series..... C. W. B. A Song Gymnast..... " " <b>Natural Science.</b> Avery's Series..... S. & Co. Buckley's Short His. of..... D. A. & Co. Newcomb's Pop. Astronomy..... H. & Bros. Dodge's Intro. to Ele. Bio..... " " Orton's Comp. Zoology (Revised)..... A. B. Co. Treat's Home Studies..... " " Rick's Nat. His. Obj. Les..... D. C. H. Co. Smith's Studies in Nature..... " " Griffith's Natural Philosophy..... C. S. Co. <b>Oratory.</b> Burke's Am. Orations..... D. C. H. Co. Webster's Speeches..... " " " Bunker Hill..... L. S. S. Brace's Text-Book on Eloqu..... " " The Speaker..... S. B. Co. The Writer..... " " A Manual of Gesture..... " " Orator's Manuals..... " " <b>Pedagogics.</b> Jolly's Ed. in its Phy. Rela..... W. B. H. Javal's Ph. of H'dwriting..... " " Jackson's Theory and Prac..... " " of Handwriting..... " " Art of School Manag..... D. A. & Co. Campayne's History..... D. C. H. Co. De Garmo's Ess..... " " Herbart's Science..... " " Pestalozzi's..... " " Hewett's Pedagogy..... A. R. Co. Shoup's Graded Dictaetise..... " " White Ele. of Ped..... A. B. Co. Page's Theory and Practice..... C. W. B. De Graff's Schoolroom Guide..... " " Payne's Lectures on Teaching..... " " Tate's Philosophy of Educa..... " " Rein's Outlines of Ped..... " " Spencer's Education..... " " Fitch's Lectures on Teaching..... " " Hughes' Mistakes in..... " " Davidson's Aristotle and the..... " " Ancient Edu. Ideal..... C. S. Sons Bowen's Froebel and Edu..... " " through self activity..... " " De Garmo's Herbart and the..... " " Herbartians..... " " <b>Penmanship.</b> Pen Writt. Copies..... W. & R. Harrison's Vertical..... W. B. H. Columbian System..... S. B. & Co. Duntonian..... T. B. & Co. Normal System..... S. B. & Co. Spencerian Copy Books..... A. B. Co. Harper's New G. Copy Books..... " " Eclectic Penmanship..... " " Heath's Vertical..... D. C. H. & Co. Ginn's Books..... Ginn & Co. Well's Nat. Movem. Method..... C. W. B. Jackson's System..... W. B. H. <b>Physics or Natural Philosophy.</b> Deschand's Nat. Phil..... D. A. & Co. Appleton's School..... A. B. Co. Cooler's Series..... " " Steele's Popular..... " " Trowbridge's New..... " " Well's Nat. Phil..... " " Gage's Series..... G. & Co. <b>Physiology and Hygiene.</b> A Primer of Health..... S. B. & Co. A Healthy Body..... " " 
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# School Board Journal

Smith's Primer..... A. B. Co.	Inst. of Economics..... S. B. Co.	New Franklin Series..... "	Cross' Eclectic Dictionary..... "	Sheldon's Word Study..... S. & Co.
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Brand's Series..... L. S. & S.	Heat..... "	First Reader..... "	Isaac Pitman's Phono. Dic..... "	Swinton's..... "
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Political Economy.....	Harper Series..... A. B. Co.	" Alternate 2d..... "	Sanford's Limited Speller..... C.W. B.	Child's Handbook for collec.....
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Chapin's..... "	Barnes..... "	Shorthand.....	Reed's Word Lessons..... "	Holder's Elementary..... A. B. Co.
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Champlin's..... A. B. Co.	Stickney's Series..... Ginn & Co.	Cross Eclectic (beg. book)..... S.C.G. & Co.	Harrington's..... A. B. Co.	Coulton's..... D.C.H. Co.
	Sheldon's Modern Series..... S. & Co.		Beitzel's Word Builder..... C.S. & Co.	Nicholson's Manual..... D.A. & Co.

## ABBREVIATIONS:

D. Appleton & Co..... D.A. & Co.	S. C. Griggs & Co..... S. C. G. & Co.	Wm. R. Jenkins..... W. R. J.	Potter & Putnam..... P. & P.	Sheldon & Co..... S. & Co.
Albert, Scott & Co..... A.S. & Co.	Ginn & Co..... G. & Co.	Leach, Shewell & Sanborn..... L. S. S.	Prang Educational Co..... P. E. Co.	Chas. Scribner's Sons..... C.S. Sons
American Book Co..... A. B. Co.	D. C. Heath Co..... D.C. H. Co.	Maynard Merrill & Co..... M. M. & Co.	Peckham, Little & Co..... P.L. & Co.	Thompson, Brown & Co..... T.B. & Co.
C. W. Bardeen..... C. W. B.	Harper & Bros..... H. & Bros.	Mutual Book Co..... M. B. Co.	Isaac Pitman & Sons..... I.P. & S.	University Publishing Co..... U. P. Co.
L. H. Bigelow & Co..... L. B. & Co.	Houghton, Mifflin & Co..... H.M. & Co.	G. & C. Merriam Co..... G. & C. M. Co.	Christopher Sower Co..... C.S. Co.	Williams & Rogers..... W. & R.
W. B. Clive..... W. B. C.	Wm. Beverley Harrison..... W. B. H.	Practical Text Book Co..... P.T.B. Co.	Silver, Bardett & Co..... S. B. & Co.	

## SCHOOL SUPPLIES.

# Directory

## SCHOOL EQUIPMENT.

This directory has been prepared for the convenience of Secretaries, Boards of Education and school officials who contemplate the erection of school houses and the purchase of School Furniture, Supplies and Equipment. The names of reliable firms only are listed. Write them for estimates and other information.

<b>Aparatus.</b> Ziegler Electric Co..... Boston. Eimer & Amend..... New York city. E. S. Ritchie & Sons..... Brookline, Mass. Richards & Co..... New York, Chicago. Walmsley, Fuller & Co..... Chicago. U. S. F. Co..... Chicago, N. Y., Sidney, O. Boston School Supply House..... Boston. Educational Aid A'ssn..... Chicago. Central School Supply House..... Chicago. The Caxton Co..... Chicago. W. A. Olmsted..... Chicago. McIntosh B. & O. Co..... "	<b>Architects.</b> F. S. Allen..... Joliet, Ill. School House Constr. Co..... Peoria, Ill. Conover & Porter..... Madison, Wis. H. C. Koch & Co..... Milwaukee, Wis. Van Ryn & Lesser..... " Bernard Kolpacki..... "	<b>Bells.</b> Buckeye Bell Foundry..... Cincinnati O. Centennial Bell Foundry..... " Stuckede & Bros..... St. Louis, Mo. Meneely Bell Co..... Troy, N. Y. Peckham, Little & Co..... New York city. Central School Supply House..... Chicago. The Caxton Co..... Chicago.	<b>Black Boards.</b> Con't'd Lehigh Slate Co..... New York. Thomas Kane & Co..... Chicago. Central School Supply House..... Chicago. The Caxton Co..... Chicago. Potter & Putnam..... New York. J. M. Olcott..... " U. S. F. Co..... Chicago, N. Y., Sidney, O. Educational Aid A'ssn..... Chicago. H. J. Sullivan..... Milwaukee, Wis.	<b>Boilers.</b> Gorton & Lidgerwood..... New York city.	<b>American Boiler Co..... Boston</b> <b>Badges.</b> Bunde & Upmeyer..... Milwaukee. <b>Book Covers.</b> Wm. Bev. Harrison..... New York. Holden Book Cover Co..... " Springfield, Mass. <b>Ceilings—Metal.</b> H. S. Northrop..... New York City. H. J. Sullivan..... Milwaukee, Wis. <b>Chrts.</b> Wm. Bev. Harrison..... New York. Boston School Sup. Co..... Boston, Mass. Potter & Putnam..... New York City. John E. Potter & Co..... Philadelphia Pa. Thomas Kane & Co..... Chicago. Central School Supply House..... Chicago. Educational Aid A'ssn..... Chicago. Mutual Book Co..... New York. The Caxton Co..... Chicago. <b>Dry Closets.</b> H. Sandmeyer & Co..... Peoria, Ill. <b>Erasers.</b> Wm. Bev. Harrison..... New York. Peckham, Little & Co..... New York city. W. H. Londergon & Co..... Duncan Park..... Chicago Ill. J. M. Olcott..... New York. U. S. F. Co..... Chicago, N. Y., Sidney, O. Boston School Supply House..... Boston. Thomas Kane & Co..... Chicago. Central School Supply House..... Chicago. Educational Aid A'ssn..... Chicago. The Caxton Co..... Chicago. <b>Globes.</b> Wm. Bev. Harrison..... New York. Thomas Kane & Co..... Chicago. Central School Supply House..... Chicago.	<b>Potter &amp; Putnam..... New York.</b> J. M. Olcott..... " The Caxton Co..... Chicago. Educational Aid A'ssn..... Chicago. U. S. School Furniture Co..... Chicago. <b>Heat Regulation.</b> Power's Duplex Co..... Chicago. Johnson Electric Service Co., Chicago. Boston, New York, Milwaukee. Bartlett Bros..... Cleveland, O. <b>Heating and Ventilation.</b> Smead W. & V. Co..... Chicago. Gorton & Lidgerwood Co..... N. Y. City. F. Richter & Son..... 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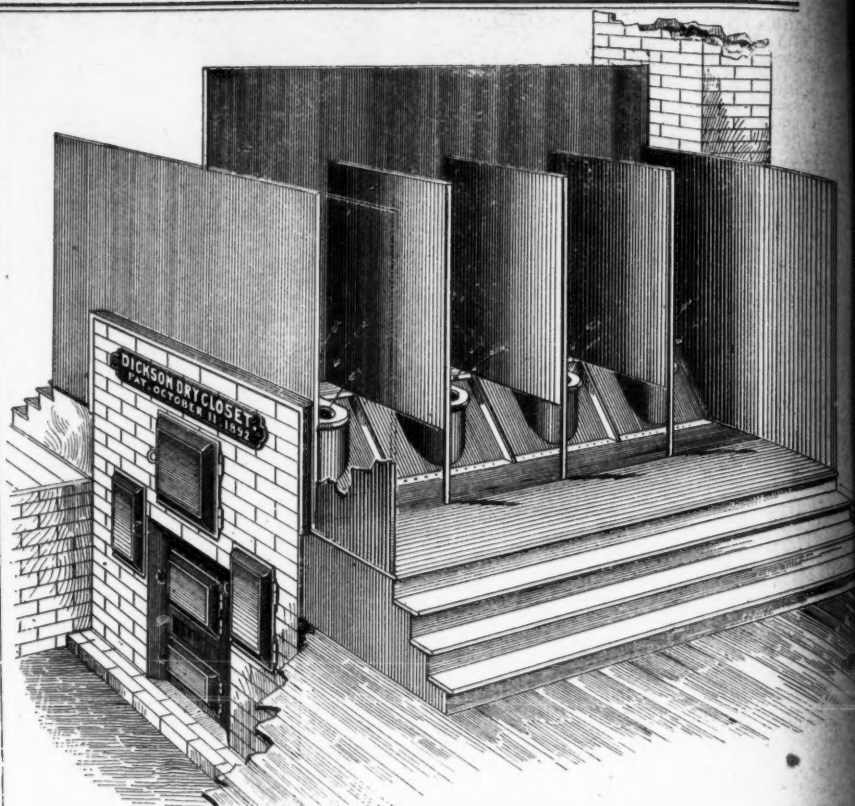
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